

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	04/28/2016 04/28/2016	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0017_01_s _ 2013_3				
Comment Code					
Inspector Comment					
The LMA has the all the required O&M manuals.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0017_01_s _ 2013_5				
Comment Code					
Inspector Comment					
The LMA has all the required materials at their site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0017_01_s _ 2013_9				
Comment Code					
Inspector Comment					
The LMA has all the required booklets from DWR, flood response plan and most of their employees are trained to be a flood fighter.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	04/28/2016 04/28/2016	Pavel Kazi

LM Start	1.94	Rating **	A	Issue No.	11
LM End	1.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.887673 °	37.887673 °
				-121.256389 °	-121.256389 °
DWR ID	DWR_NA0017_01_s _ 2016_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : SP_2016_NA0017_148_11_20160503_00025.jpg



View of the vegetation on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	04/28/2016 04/28/2016	Pavel Kazi

LM Start	0.29	Rating **	M	Issue No.	125
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.875189 °	37.875189 °
				-121.225048 °	-121.225048 °
DWR ID	DWR_NA0017_02_s_2015_125				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_149_125_20160219_00008.jpg



A slope instability was found on the landside of the levee looking upstream.

LM Start	1.91	Rating **	A	Issue No.	15
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.881799 °	37.881799 °
				-121.249423 °	-121.249423 °
DWR ID	DWR_NA0017_02_s_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_149_15_20160503_00027.jpg



View of the vegetation on the waterside of the levee looking downstream.

LM Start	1.91	Rating **	C	Issue No.	14
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.881857 °	37.882421 °
				-121.249441 °	-121.250336 °
DWR ID	DWR_NA0017_02_f_2015_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
This issue is corrected.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	04/28/2016 04/28/2016	Pavel Kazi

LM Start	1.97	Rating **	C	Issue No.	127
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.882404 °	37.882404 °
				-121.250359 °	-121.250359 °
DWR ID	DWR_NA0017_02_s _ 2015_127				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
The issue is corrected.					

No Photos

LM Start	2.06	Rating **	C	Issue No.	12
LM End	2.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.883147 °	37.883147 °
				-121.251649 °	-121.251649 °
DWR ID	DWR_NA0017_02_f _ 2015_12				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The issue is corrected.					

No Photos

LM Start	2.11	Rating **	C	Issue No.	128
LM End	2.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.883599 °	37.883599 °
				-121.252355 °	-121.252355 °
DWR ID	DWR_NA0017_02_s _ 2015_128				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The issue is corrected.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	04/28/2016 04/28/2016	Pavel Kazi

LM Start	2.22	Rating **	C	Issue No.	4
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.884741 °	37.884741 °
				-121.253808 °	-121.253808 °
DWR ID	DWR_NA0017_02_s _ 2014_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The issue is corrected.					

No Photos

LM Start	2.65	Rating **	A/W	Issue No.	8
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.888853 °	37.888853 °
				-121.258640 °	-121.258640 °
DWR ID	DWR_NA0017_02_s _ 2012_8				
Comment Code					
PI : Pipe					
Inspector Comment					
Pipe crossing the channel has corroded and can carry water to/from the channel. A flap gate was installed by the LMA, but the pipe appeared to be damaged.					

Photo 1 of 2 : SP_2016_NA0017_149_8_20160219_00004.jpg



A flap gate was installed at the end of the pipe, but the pipe appeared to have cracks. The picture was taken from the crown looking upstream during fall 2014 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	04/28/2016 04/28/2016	Pavel Kazi

LM Start	2.65	Rating **	A/W	Issue No.	8 (cont)	
LM End	2.65	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.888853 °		37.888853 °
				-121.258640 °		-121.258640 °
DWR ID	DWR_NA0017_02_s_2012_8					
Comment Code						
PI : Pipe						
Inspector Comment						
Pipe crossing the channel has corroded and can carry water to/from the channel. A flap gate was installed by the LMA, but the pipe appeared to be damaged.						

Photo 2 of 2 : SP_2016_NA0017_149_8_20160219_00005.jpg



A pipe was found without a flap gate on waterside slope of the levee looking downstream. This pipe may predate the project.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	04/20/2016 04/20/2016	Pavel Kazi

LM Start	0.01	Rating **	M	Issue No.	3
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979143 °	37.979256 °
				-121.098662 °	-121.095071 °
DWR ID	DWR_NA0017_06_s _ 2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_150_3_20160427_00006.jpg



View of the vegetation on the waterside slope of the levee.

LM Start	0.05	Rating **	M	Issue No.	5
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.979182 °	37.979182 °
				-121.097977 °	-121.097977 °
DWR ID	DWR_NA0017_06_s _ 2016_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_150_5_20160427_00007.jpg



View of rodent holes on the landside of the levee.

LM Start	0.10	Rating **	N	Issue No.	4
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.979219 °	37.979219 °
				-121.097129 °	-121.097129 °
DWR ID	DWR_NA0017_06_s _ 2016_4				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	04/20/2016 04/20/2016	Pavel Kazi

LM Start	0.19	Rating **	C	Issue No.	2
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.979243 °	37.979243 °
				-121.095360 °	-121.095360 °
DWR ID	DWR_NA0017_06_f_2015_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
This issue has been corrected.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	0.14	Rating **	M	Issue No.	79
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043899 °	38.043899 °
				-121.370685 °	-121.370685 °
DWR ID	DWR_NA0017_07_s_2016_79				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
This portion of the levee is not maintained by the LMA, and this portion of the alignment runs perpendicular to Bear Creek.					

Photo 1 of 1 : SP_2016_NA0017_151_79_20160418_00147.jpg



View of the vegetation on the landside of the levee.

LM Start	0.33	Rating **	M	Issue No.	81
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043523 °	38.044609 °
				-121.367624 °	-121.295731 °
DWR ID	DWR_NA0017_07_s_2016_81				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_81_20160418_00148.jpg



View of the vegetation on the waterside slope of the levee looking upstream.

LM Start	1.54	Rating **	M	Issue No.	76
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043304 °	38.043304 °
				-121.345485 °	-121.345485 °
DWR ID	DWR_NA0017_07_f_2014_76				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_76_20160219_00036.jpg



A stairway was found on the landside of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	1.68	Rating **	C	Issue No.	11
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043276 °	38.043276 °
				-121.342812 °	-121.342812 °
DWR ID	DWR_NA0017_07_f_2013_11				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This issue is corrected.					

No Photos

LM Start	1.83	Rating **	M	Issue No.	85
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043261 °	38.043261 °
				-121.340136 °	-121.340136 °
DWR ID	DWR_NA0017_07_s_2016_85				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion caused by runoff					

Photo 1 of 1 : SP_2016_NA0017_151_85_20160418_00151.jpg



View of an erosion on the landside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	2.01	Rating **	M	Issue No.	35
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043243 °	38.043243 °
				-121.336780 °	-121.336780 °
DWR ID	DWR_NA0017_07_s _ 2015_35				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 2 : SP_2016_NA0017_151_35_20160219_00010.jpg



Updated picture of the erosion on the landside of the levee during fall 2015 inspection.

LM Start	2.01	Rating **	M	Issue No.	35 (cont)
LM End	2.01	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_NA0017_151_35_20160219_00011.jpg



Erosion caused by runoff on the landside of the levee looking upstream.

LM Start	2.31	Rating **	M	Issue No.	86
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043196 °	38.043196 °
				-121.331235 °	-121.331235 °
DWR ID	DWR_NA0017_07_s _ 2016_86				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	2.71	Rating **	C	Issue No.	83
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043189 °	38.043189 °
				-121.323881 °	-121.323881 °
DWR ID	DWR_NA0017_07_f_2014_83				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
This issue is corrected.					

No Photos

LM Start	2.72	Rating **	M	Issue No.	87
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043166 °	38.043166 °
				-121.323879 °	-121.323879 °
DWR ID	DWR_NA0017_07_s_2016_87				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_87_20160418_00152.jpg



View of a rodent hole on the landside of the levee looking downstream.

LM Start	2.84	Rating **	M	Issue No.	89
LM End	4.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043166 °	38.044609 °
				-121.321620 °	-121.295731 °
DWR ID	DWR_NA0017_07_s_2016_89				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_89_20160418_00153.jpg



View of the vegetation on the landside of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	4.32	Rating **	C	Issue No.	37
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.044853 °	38.044853 °
				-121.295143 °	-121.295143 °
DWR ID	DWR_NA0017_07_f_2015_37				
Comment Code					
DE : Debris					
Inspector Comment					
This issue is corrected.					

No Photos

LM Start	4.34	Rating **	M	Issue No.	90
LM End	6.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.045024 °	38.061650 °
				-121.294994 °	-121.259163 °
DWR ID	DWR_NA0017_07_s_2016_90				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_90_20160418_00154.jpg



View of vegetation on the landside of the levee.

LM Start	4.34	Rating **	M	Issue No.	91
LM End	6.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.045025 °	38.061650 °
				-121.294993 °	-121.259164 °
DWR ID	DWR_NA0017_07_s_2016_91				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_91_20160418_00155.jpg



View of vegetation on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	5.50	Rating **	M	Issue No.	73
LM End	5.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052753 °	38.052753 °
				-121.277680 °	-121.277680 °
DWR ID	DWR_NA0017_07_f_2012_73				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion caused by vehicle, and the slopes are stable.					

Photo 1 of 1 : SP_2016_NA0017_151_73_20160219_00035.jpg



Slope instability was found on the landside of the levee looking upstream.

LM Start	5.53	Rating **	C	Issue No.	43
LM End	5.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052794 °	38.052794 °
				-121.277035 °	-121.277035 °
DWR ID	DWR_NA0017_07_f_2013_43				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This issue is corrected.					

No Photos

LM Start	6.60	Rating **	M	Issue No.	40
LM End	6.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.059303 °	38.059303 °
				-121.261736 °	-121.261736 °
DWR ID	DWR_NA0017_07_f_2015_40				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_40_20160219_00016.jpg



Rodent holes were found on the landside slope of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	6.82	Rating **	M	Issue No.	92
LM End	10.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.061758 °	38.079592 °
				-121.258989 °	-121.201661 °
DWR ID	DWR_NA0017_07_s _ 2016_92				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_92_20160418_00156.jpg



View of vegetation on the waterside of the levee looking upstream.

LM Start	6.82	Rating **	M	Issue No.	93
LM End	8.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.061758 °	38.067509 °
				-121.258988 °	-121.235621 °
DWR ID	DWR_NA0017_07_s _ 2016_93				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_93_20160418_00157.jpg



View of vegetation on the landside of the levee.

LM Start	7.09	Rating **	C	Issue No.	63
LM End	7.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.063929 °	38.063929 °
				-121.254950 °	-121.254950 °
DWR ID	DWR_NA0017_07_s _ 2015_63				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This issue is corrected.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	7.23	Rating **	M	Issue No.	94
LM End	7.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.065001 °	38.065001 °
				-121.252757 °	-121.252757 °
DWR ID	DWR_NA0017_07_s_2016_94				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_94_20160418_00158.jpg



View of slope instability on the landside shoulder of the levee looking upstream.

LM Start	7.33	Rating **	C	Issue No.	102
LM End	7.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.064983 °	38.064983 °
				-121.251043 °	-121.251043 °
DWR ID	DWR_NA0017_07_f_2014_102				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This issue is corrected.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	8.39	Rating **	M	Issue No.	96
LM End	10.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.068147 °	38.079592 °
				-121.232541 °	-121.201661 °
DWR ID	DWR_NA0017_07_s_2016_96				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.44	Rating **	M	Issue No.	29
LM End	8.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.068319 °	38.068319 °
				-121.231559 °	-121.231559 °
DWR ID	DWR_NA0017_07_s_2012_29				
Comment Code					
PR : Prunings					
Inspector Comment					
Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : SP_2016_NA0017_151_29_20160219_00007.jpg



View of prunings found on the landside of the levee looking upstream.

LM Start	9.52	Rating **	C	Issue No.	103
LM End	9.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.073712 °	38.073712 °
				-121.214236 °	-121.214236 °
DWR ID	DWR_NA0017_07_f_2014_103				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This issue is corrected.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	9.65	Rating **	U	Issue No.	80
LM End	9.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.070458 °	38.070458 °
				-121.218596 °	-121.218596 °
DWR ID	DWR_NA0017_07_s _ 2012_80				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Beaver den in the waterward berm visible from the opposite bank.					

Photo 1 of 1 : SP_2016_NA0017_151_80_20160219_00037.jpg



View of a large hole and several smaller holes from across the channel.

LM Start	9.73	Rating **	N	Issue No.	45
LM End	9.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.074509 °	38.074509 °
				-121.210489 °	-121.210489 °
DWR ID	DWR_NA0017_07_s _ 2012_45				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	9.76	Rating **	N	Issue No.	46
LM End	9.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.074613 °	38.074613 °
				-121.209882 °	-121.209882 °
DWR ID	DWR_NA0017_07_s _ 2012_46				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_46_20160219_00020.jpg



View of tree stumps found on the landside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	10.42	Rating **	M	Issue No.	97
LM End	13.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.079936 °	38.116463 °
				-121.201209 °	-121.172206 °
DWR ID	DWR_NA0017_07_s _ 2016_97				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.42	Rating **	M	Issue No.	98
LM End	16.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.079936 °	38.140615 °
				-121.201209 °	-121.150998 °
DWR ID	DWR_NA0017_07_s _ 2016_98				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.03	Rating **	M	Issue No.	72
LM End	13.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.105846 °	38.105846 °
				-121.176552 °	-121.176552 °
DWR ID	DWR_NA0017_07_s _ 2012_72				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Shallow pit at the landward toe with nearby prunings.					

Photo 1 of 1 : SP_2016_NA0017_151_72_20160219_00034.jpg



View of a pit along the landward levee toe looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	13.84	Rating **	M	Issue No.	100
LM End	13.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.116476 °	38.116476 °
				-121.172207 °	-121.172207 °
DWR ID	DWR_NA0017_07_s_2016_100				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	13.88	Rating **	C	Issue No.	52
LM End	13.88	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.116971 °	38.116971 °
				-121.172043 °	-121.172043 °
DWR ID	DWR_NA0017_07_f_2015_52				
Comment Code					
PR : Prunings					
Inspector Comment					
This issue is corrected.					

No Photos

LM Start	14.23	Rating **	M	Issue No.	61
LM End	14.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.121625 °	38.121625 °
				-121.169563 °	-121.169563 °
DWR ID	DWR_NA0017_07_f_2013_61				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_61_20160219_00031.jpg



Steps were found on the waterside slope of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	04/12/2016 04/13/2016	Pavel Kazi

LM Start	14.35	Rating **	M	Issue No.	60
LM End	14.35	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.123286 °	38.123286 °
				-121.169609 °	-121.169609 °
DWR ID	DWR_NA0017_07_s _ 2012_60				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_60_20160219_00030.jpg



Crown depression was found on the waterside shoulder of the levee looking downstream.

LM Start	15.04	Rating **	N	Issue No.	53
LM End	15.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.129236 °	38.130205 °
				-121.160163 °	-121.158466 °
DWR ID	DWR_NA0017_07_s _ 2012_53				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_151_53_20160219_00027.jpg



View of a stump in the landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	0.75	Rating **	M	Issue No.	127
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042747 °	38.042747 °
				-121.370753 °	-121.370753 °
DWR ID	DWR_NA0017_08_s _ 2016_127				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
This portion of the levee is not maintained by the LMA, and this portion of the alignment runs perpendicular to Bear Creek. This unit is Bear Creek unit 8a.					

Photo 1 of 1 : SP_2016_NA0017_152_127_20160418_00203.jpg



View of the vegetation on the landside slope of the levee.

LM Start	0.94	Rating **	M	Issue No.	131
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043023 °	38.042810 °
				-121.366953 °	-121.348467 °
DWR ID	DWR_NA0017_08_s _ 2016_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_131_20160418_00205.jpg



View of the vegetation on the waterside of the levee looking upstream.

LM Start	0.96	Rating **	M	Issue No.	129
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043024 °	38.042795 °
				-121.366634 °	-121.348380 °
DWR ID	DWR_NA0017_08_s _ 2016_129				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	1.30	Rating **	M	Issue No.	130
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042905 °	38.042905 °
				-121.360449 °	-121.360449 °
DWR ID	DWR_NA0017_08_s_2016_130				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_130_20160418_00204.jpg



View of the steps dug into the landside slope of the levee.

LM Start	1.46	Rating **	C	Issue No.	58
LM End	1.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.042853 °	38.042853 °
				-121.357504 °	-121.357504 °
DWR ID	DWR_NA0017_08_f_2015_58				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.66	Rating **	C	Issue No.	81
LM End	1.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042783 °	38.042783 °
				-121.353818 °	-121.353818 °
DWR ID	DWR_NA0017_08_s_2015_81				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Levee Inspections**

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San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	1.82	Rating **	N	Issue No.	18	
LM End	1.82	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.042751 °		38.042751 °
				-121.353062 °		-121.353062 °
DWR ID	DWR_NA0017_08_f_2012_18					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

Photo 1 of 1 : SP_2016_NA0017_152_18_20160219_00005.jpg



View of a tree stump that was found on the landside toe of the levee.
The picture was taken from the crown looking towards the toe.

LM Start	2.04	Rating **	M	Issue No.	92
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042803 °	38.042803 °
				-121.346755 °	-121.346755 °
DWR ID	DWR_NA0017_08_s_2015_92				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_92_20160219_00034.jpg



Prunings were found on the landside of the levee looking upstream.

LM Start	2.04	Rating **	M	Issue No.	132
LM End	3.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042786 °	38.042622 °
				-121.346747 °	-121.322634 °
DWR ID	DWR_NA0017_08_s_2016_132				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	2.14	Rating **	M	Issue No.	134
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042774 °	38.042774 °
				-121.344979 °	-121.344979 °
DWR ID	DWR_NA0017_08_s_2016_134				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_134_20160418_00206.jpg



View of prunings at the landside toe of the levee.

LM Start	2.16	Rating **	M	Issue No.	93
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042785 °	38.042785 °
				-121.344686 °	-121.344686 °
DWR ID	DWR_NA0017_08_s_2015_93				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_93_20160219_00035.jpg



Prunings were found on the landside of the levee looking upstream.

LM Start	2.22	Rating **	M	Issue No.	102
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042776 °	38.042776 °
				-121.343593 °	-121.343593 °
DWR ID	DWR_NA0017_08_f_2014_102				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	2.24	Rating **	M	Issue No.	29
LM End	2.24	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042777 °	38.042777 °
				-121.343150 °	-121.343150 °
DWR ID	DWR_NA0017_08_s _ 2013_29				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_29_20160219_00009.jpg



The monolith joint material is deteriorating at this location of the flood wall. The picture was taken from the crown looking upstream.

LM Start	2.26	Rating **	M	Issue No.	135
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042765 °	38.042765 °
				-121.342854 °	-121.342854 °
DWR ID	DWR_NA0017_08_s _ 2016_135				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	2.37	Rating **	M	Issue No.	105
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.042762 °	38.042762 °	
			-121.342909 °	-121.342909 °	
DWR ID	DWR_NA0017_08_f_2014_105				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.41	Rating **	N	Issue No.	40
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.042751 °	38.042751 °	
			-121.342119 °	-121.342119 °	
DWR ID	DWR_NA0017_08_s_2012_40				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.46	Rating **	C	Issue No.	107
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.042755 °	38.042720 °	
			-121.339092 °	-121.334688 °	
DWR ID	DWR_NA0017_08_f_2014_107				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	2.50	Rating **	N	Issue No.	12
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042749 °	38.042749 °
				-121.338402 °	-121.338402 °
DWR ID	DWR_NA0017_08_s_2012_12				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_12_20160219_00003.jpg



View of stumps along the landward toe looking upstream.

LM Start	2.52	Rating **	N	Issue No.	36
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042739 °	38.042739 °
				-121.340100 °	-121.340100 °
DWR ID	DWR_NA0017_08_s_2012_36				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.54	Rating **	M	Issue No.	59
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042736 °	38.042736 °
				-121.337605 °	-121.337605 °
DWR ID	DWR_NA0017_08_f_2015_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	2.61	Rating **	N	Issue No.	26
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042737 °	38.042737 °
				-121.338447 °	-121.338447 °
DWR ID	DWR_NA0017_08_s _ 2014_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.64	Rating **	M	Issue No.	136
LM End	2.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042718 °	38.042718 °
				-121.335727 °	-121.335727 °
DWR ID	DWR_NA0017_08_s _ 2016_136				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.68	Rating **	N	Issue No.	33
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042715 °	38.042715 °
				-121.335146 °	-121.335146 °
DWR ID	DWR_NA0017_08_s _ 2012_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	2.82	Rating **	N	Issue No.	30
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042710 °	38.042710 °
				-121.334677 °	-121.334677 °
DWR ID	DWR_NA0017_08_s_2012_30				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.92	Rating **	M	Issue No.	60
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042695 °	38.042695 °
				-121.330685 °	-121.330685 °
DWR ID	DWR_NA0017_08_f_2015_60				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	3.03	Rating **	N	Issue No.	137
LM End	3.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042683 °	38.042683 °
				-121.328674 °	-121.328674 °
DWR ID	DWR_NA0017_08_s_2016_137				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	3.11	Rating **	M	Issue No.	138
LM End	3.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042654 °	38.042646 °
				-121.327229 °	-121.326561 °
DWR ID	DWR_NA0017_08_s_2016_138				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_138_20160418_00207.jpg



View of tree limbs that were blocking the visibility and accessibility of the landside slope of the levee.

LM Start	3.19	Rating **	N	Issue No.	13
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042676 °	38.042676 °
				-121.325694 °	-121.325694 °
DWR ID	DWR_NA0017_08_s_2012_13				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_13_20160219_00004.jpg



View of a stump on the landward slope looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	3.24	Rating **	M	Issue No.	37
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042652 °	38.042652 °
				-121.326883 °	-121.326883 °
DWR ID	DWR_NA0017_08_s_2013_37				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_37_20160219_00010.jpg



The monolith joint material is deteriorating at this location of the flood wall. The picture was taken from the crown looking upstream.

LM Start	3.31	Rating **	M	Issue No.	940
LM End	3.31	Issue Type +	Ma	Location *	LS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042654 °	38.042654 °
				-121.325611 °	-121.325611 °
DWR ID	DWR_NA0017_08_s_2012_940				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_940_20160219_00046.jpg



Monolith joint material is deteriorating at the joint of the flood wall. The picture was taken from the crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	3.33	Rating **	M	Issue No.	41
LM End	3.33	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042643 °	38.042643 °
				-121.325208 °	-121.325208 °
DWR ID	DWR_NA0017_08_f_2013_41				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

No Photos

LM Start	3.43	Rating **	M	Issue No.	63
LM End	3.43	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042672 °	38.042672 °
				-121.321283 °	-121.321283 °
DWR ID	DWR_NA0017_08_f_2015_63				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

No Photos

LM Start	3.58	Rating **	M	Issue No.	65
LM End	3.58	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042655 °	38.042655 °
				-121.318534 °	-121.318534 °
DWR ID	DWR_NA0017_08_f_2015_65				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	4.22	Rating **	M	Issue No.	141
LM End	4.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.042458 °	38.042413 °	
			-121.306792 °	-121.304530 °	
DWR ID	DWR_NA0017_08_s_2016_141				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.22	Rating **	M	Issue No.	142
LM End	4.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.042458 °	38.042413 °	
			-121.306792 °	-121.304530 °	
DWR ID	DWR_NA0017_08_s_2016_142				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.46	Rating **	C	Issue No.	66
LM End	4.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.042452 °	38.042452 °	
			-121.302538 °	-121.302538 °	
DWR ID	DWR_NA0017_08_f_2015_66				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	4.48	Rating **	M	Issue No.	139
LM End	4.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042456 °	38.043954 °
				-121.302124 °	-121.295723 °
DWR ID	DWR_NA0017_08_s _ 2016_139				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_139_20160418_00208.jpg



View of vegetation on the landside of the levee.

LM Start	4.48	Rating **	M	Issue No.	140
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042456 °	38.043954 °
				-121.302123 °	-121.295723 °
DWR ID	DWR_NA0017_08_s _ 2016_140				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_140_20160418_00209.jpg



View of the vegetation on the waterside of the levee.

LM Start	4.56	Rating **	M	Issue No.	27
LM End	4.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.042797 °	38.042797 °
				-121.300782 °	-121.300782 °
DWR ID	DWR_NA0017_08_s _ 2014_27				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Ruts on the waterside slope of the levee.					

Photo 1 of 2 : SP_2016_NA0017_152_27_20160418_00210.jpg



Updated picture of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	4.56	Rating **	M	Issue No.	27 (cont)	
LM End	4.56	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.042797 °		38.042797 °
				-121.300782 °		-121.300782 °
DWR ID	DWR_NA0017_08_s_2014_27					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Ruts on the waterside slope of the levee.						

Photo 2 of 2 : SP_2016_NA0017_152_27_20160219_00007.jpg



Erosion caused by runoffs on the waterside slope of the levee looking upstream.

LM Start	4.60	Rating **	C	Issue No.	46
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.043093 °	38.043093 °
				-121.300166 °	-121.300166 °
DWR ID	DWR_NA0017_08_s_2014_46				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

LM Start	4.60	Rating **	C	Issue No.	67
LM End	4.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.043118 °	38.043118 °
				-121.300067 °	-121.300067 °
DWR ID	DWR_NA0017_08_f_2015_67				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	4.81	Rating **	M	Issue No.	68
LM End	4.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.043927 °	38.043927 °
				-121.296462 °	-121.296462 °
DWR ID	DWR_NA0017_08_f_2015_68				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	4.91	Rating **	M	Issue No.	144
LM End	6.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.044310 °	38.053896 °
				-121.294781 °	-121.266972 °
DWR ID	DWR_NA0017_08_s_2016_144				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_144_20160418_00214.jpg



View of the vegetation on the landside of the levee.

LM Start	4.91	Rating **	M	Issue No.	143
LM End	7.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.044310 °	38.057072 °
				-121.294781 °	-121.261584 °
DWR ID	DWR_NA0017_08_s_2016_143				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_143_20160418_00211.jpg



View of the vegetation on the waterside of the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	6.16	Rating **	M	Issue No.	6
LM End	6.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052204 °	38.052204 °
				-121.276014 °	-121.276014 °
DWR ID	DWR_NA0017_08_s_2015_6				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

Photo 1 of 1 : SP_2016_NA0017_152_6_20160219_00002.jpg



View of a slope instability due to runoff on the waterside of the levee looking upstream.

LM Start	6.22	Rating **	C	Issue No.	69
LM End	6.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052275 °	38.052275 °
				-121.275044 °	-121.275044 °
DWR ID	DWR_NA0017_08_f_2015_69				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	6.23	Rating **	C	Issue No.	71
LM End	6.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.052305 °	38.052305 °
				-121.274854 °	-121.274854 °
DWR ID	DWR_NA0017_08_f_2015_71				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	6.27	Rating **	M	Issue No.	28
LM End	6.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052499 °	38.052499 °
				-121.274173 °	-121.274173 °
DWR ID	DWR_NA0017_08_s_2015_28				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

Photo 1 of 1 : SP_2016_NA0017_152_28_20160219_00008.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	6.47	Rating **	M	Issue No.	145
LM End	6.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.053039 °	38.053039 °
				-121.270543 °	-121.270543 °
DWR ID	DWR_NA0017_08_s_2016_145				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_145_20160418_00215.jpg



View of crown depression on the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	6.53	Rating **	C	Issue No.	120
LM End	6.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052994 °	38.052994 °
				-121.271526 °	-121.271526 °
DWR ID	DWR_NA0017_08_f_2014_120				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Surface runoff.					

No Photos

LM Start	7.11	Rating **	M	Issue No.	146
LM End	7.36	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.057677 °	38.060597 °
				-121.261463 °	-121.259142 °
DWR ID	DWR_NA0017_08_s_2016_146				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_146_20160418_00216.jpg



View of vegetation on the crown of the levee.

LM Start	7.49	Rating **	M	Issue No.	148
LM End	10.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.061976 °	38.073608 °
				-121.257517 °	-121.212169 °
DWR ID	DWR_NA0017_08_s_2016_148				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	7.49	Rating **	M	Issue No.	147
LM End	10.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.061976 °	38.073609 °
				-121.257517 °	-121.212169 °
DWR ID	DWR_NA0017_08_s_2016_147				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.86	Rating **	M	Issue No.	72
LM End	7.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.064436 °	38.064436 °
				-121.251746 °	-121.251746 °
DWR ID	DWR_NA0017_08_f_2015_72				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_72_20160219_00024.jpg



An animal hole was found on the waterside shoulder of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	8.83	Rating **	M	Issue No.	73
LM End	8.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.067130 °	38.067130 °
				-121.234875 °	-121.234875 °
DWR ID	DWR_NA0017_08_f_2015_73				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Surface runoff.					

Photo 1 of 1 : SP_2016_NA0017_152_73_20160219_00025.jpg



Erosion due surface runoff was found on the landside of the levee looking downstream.

LM Start	9.27	Rating **	M	Issue No.	53
LM End	9.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.069527 °	38.069527 °
				-121.227412 °	-121.227412 °
DWR ID	DWR_NA0017_08_s_2015_53				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	9.42	Rating **	M	Issue No.	75
LM End	9.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.069797 °	38.069797 °
				-121.224693 °	-121.224693 °
DWR ID	DWR_NA0017_08_f_2015_75				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_75_20160219_00026.jpg



Rodent holes were found on the waterside of the levee looking downstream.

LM Start	9.63	Rating **	M	Issue No.	76
LM End	9.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.069807 °	38.069807 °
				-121.220890 °	-121.220890 °
DWR ID	DWR_NA0017_08_f_2015_76				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_76_20160219_00027.jpg



A slope instability was found on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	10.04	Rating **	M	Issue No.	78
LM End	10.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.072884 °	38.072884 °
				-121.215102 °	-121.215102 °
DWR ID	DWR_NA0017_08_f_2015_78				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_78_20160219_00028.jpg



An animal borrow was found on the waterside of the levee looking downstream.

LM Start	10.23	Rating **	M	Issue No.	149
LM End	10.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.073711 °	38.079540 °
				-121.211679 °	-121.200795 °
DWR ID	DWR_NA0017_08_s_2016_149				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.23	Rating **	M	Issue No.	150
LM End	10.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.073712 °	38.079540 °
				-121.211679 °	-121.200795 °
DWR ID	DWR_NA0017_08_s_2016_150				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	10.39	Rating **	C	Issue No.	79
LM End	10.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.075132 °	38.075132 °	
			-121.208341 °	-121.208341 °	
DWR ID	DWR_NA0017_08_f_2015_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	10.52	Rating **	C	Issue No.	94
LM End	10.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.076880 °	38.076880 °	
			-121.207703 °	-121.207703 °	
DWR ID	DWR_NA0017_08_s_2015_94				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	10.99	Rating **	M	Issue No.	151
LM End	13.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.079923 °	38.101503 °	
			-121.200416 °	-121.177153 °	
DWR ID	DWR_NA0017_08_s_2016_151				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	10.99	Rating **	M	Issue No.	152
LM End	13.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.079930 °	38.101503 °
				-121.200412 °	-121.177153 °
DWR ID	DWR_NA0017_08_s _ 2016_152				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	11.69	Rating **	C	Issue No.	111
LM End	11.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.086135 °	38.086135 °
				-121.190670 °	-121.190670 °
DWR ID	DWR_NA0017_08_s _ 2015_111				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope instability caused by rodent holes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	11.73	Rating **	M	Issue No.	80
LM End	11.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.086219 °	38.086219 °
				-121.190030 °	-121.190030 °
DWR ID	DWR_NA0017_08_f_2015_80				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_80_20160219_00030.jpg



Slope instability was found on the waterside of the levee looking downstream.

LM Start	11.81	Rating **	M	Issue No.	128
LM End	11.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.086116 °	38.086116 °
				-121.190630 °	-121.190630 °
DWR ID	DWR_NA0017_08_f_2014_128				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_128_20160219_00045.jpg



Erosion was found on the landside of the levee looking upstream.

LM Start	12.84	Rating **	M	Issue No.	133
LM End	12.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.096581 °	38.096581 °
				-121.175898 °	-121.175898 °
DWR ID	DWR_NA0017_08_s_2015_133				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_133_20160418_00217.jpg



View of prunings on the landside toe of the levee.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	13.23	Rating **	M	Issue No.	155
LM End	16.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.101789 °	38.131889 °
				-121.177161 °	-121.150869 °
DWR ID	DWR_NA0017_08_s _ 2016_155				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.23	Rating **	M	Issue No.	153
LM End	16.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.101790 °	38.131890 °
				-121.177160 °	-121.150870 °
DWR ID	DWR_NA0017_08_s _ 2016_153				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_153_20160418_00218.jpg



View of the vegetation on the waterside slope of the levee.

LM Start	13.23	Rating **	M	Issue No.	154
LM End	16.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.101790 °	38.131890 °
				-121.177160 °	-121.150869 °
DWR ID	DWR_NA0017_08_s _ 2016_154				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_154_20160418_00219.jpg



View of the vegetation on the crown of the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	13.72	Rating **	M	Issue No.	82
LM End	13.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.107803 °	38.107803 °
				-121.173179 °	-121.173179 °
DWR ID	DWR_NA0017_08_f_2015_82				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	14.75	Rating **	U	Issue No.	57
LM End	14.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.122152 °	38.122152 °
				-121.169461 °	-121.169461 °
DWR ID	DWR_NA0017_08_f_2015_57				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Waterside toe erosion.					

Photo 1 of 1 : SP_2016_NA0017_152_57_20160219_00017.jpg



Erosion was found on the waterside toe of the levee. The picture was taken from the right bank of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

LM Start	14.79	Rating **	M	Issue No.	96
LM End	14.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.122664 °	38.122664 °
				-121.169116 °	-121.169116 °
DWR ID	DWR_NA0017_08_f_2015_96				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_152_96_20160219_00039.jpg



Rodent holes were found on the landside slope of the levee looking upstream.

LM Start	15.19	Rating **	A/W	Issue No.	89
LM End	15.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.125818 °	38.125818 °
				-121.166410 °	-121.166410 °
DWR ID	DWR_NA0017_08_s_2013_89				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	15.39	Rating **	M	Issue No.	90
LM End	15.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.126830 °	38.126830 °
				-121.162930 °	-121.162930 °
DWR ID	DWR_NA0017_08_s_2014_90				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	04/13/2016 04/19/2016	Pavel Kazi

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	04/14/2016 04/14/2016	Pavel Kazi

LM Start	0.06	Rating **	M	Issue No.	5
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.093568 °	38.094069 °
				-121.175671 °	-121.151129 °
DWR ID	DWR_NA0017_09_s_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_153_5_20160418_00012.jpg



View of the vegetation on the waterside of the levee.

LM Start	0.06	Rating **	M	Issue No.	6
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.093568 °	38.094069 °
				-121.175671 °	-121.151129 °
DWR ID	DWR_NA0017_09_s_2016_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_153_6_20160418_00011.jpg



View of the vegetation on the landside of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	04/14/2016 04/14/2016	Pavel Kazi

LM Start	0.02	Rating **	M	Issue No.	4
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094140 °	38.095008 °
				-121.175654 °	-121.168368 °
DWR ID	DWR_NA0017_10_s_2016_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_154_4_20160418_00009.jpg



View of the vegetation on the waterside of the levee.

LM Start	0.35	Rating **	M	Issue No.	5
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.095008 °	38.094322 °
				-121.168368 °	-121.151118 °
DWR ID	DWR_NA0017_10_s_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	04/15/2016 04/15/2016	Pavel Kazi

LM Start	0.03	Rating **	M	Issue No.	20
LM End	3.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.095355 °	38.131641 °
				-121.169471 °	-121.138827 °
DWR ID	DWR_NA0017_11_s _ 2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_155_20_20160418_00046.jpg



View of the vegetation on the waterside of the levee.

LM Start	0.03	Rating **	M	Issue No.	21
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.095356 °	38.131640 °
				-121.169471 °	-121.138827 °
DWR ID	DWR_NA0017_11_s _ 2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_155_21_20160418_00047.jpg



View of the vegetation on the landside of the levee.

LM Start	2.90	Rating **	M	Issue No.	22
LM End	2.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.124959 °	38.124959 °
				-121.144223 °	-121.144223 °
DWR ID	DWR_NA0017_11_s _ 2016_22				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_155_22_20160418_00049.jpg



Prunings were found on the waterside shoulder of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	04/14/2016 04/14/2016	Pavel Kazi

LM Start	0.03	Rating **	M	Issue No.	29
LM End	1.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.095487 °	38.112677 °
				-121.168775 °	-121.158457 °
DWR ID	DWR_NA0017_12_s _ 2016_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_156_29_20160418_00054.jpg



View of the vegetation on the landside of the levee.

LM Start	0.03	Rating **	M	Issue No.	27
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.095488 °	38.131584 °
				-121.168775 °	-121.138448 °
DWR ID	DWR_NA0017_12_s _ 2016_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_156_27_20160418_00053.jpg



View of the vegetation on the waterside of the levee.

LM Start	2.17	Rating **	M	Issue No.	30
LM End	3.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.117765 °	38.127014 °
				-121.150638 °	-121.141831 °
DWR ID	DWR_NA0017_12_s _ 2016_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	04/14/2016 04/14/2016	Pavel Kazi

LM Start	2.22	Rating **	M	Issue No.	9
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.117784 °	38.117784 °
				-121.149763 °	-121.149763 °
DWR ID	DWR_NA0017_12_s_2014_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

LM Start	2.22	Rating **	M	Issue No.	9 (cont)
LM End	2.22	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP_2016_NA0017_156_9_20160219_00007.jpg



Updated picture of the rodent holes on the landside of the levee looking downstream.

Photo 2 of 2 : SP_2016_NA0017_156_9_20160219_00008.jpg



View of a rodent hole that was found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	04/14/2016 04/14/2016	Pavel Kazi

LM Start	2.25	Rating **	M	Issue No.	11
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.117807 °	38.117807 °
				-121.149233 °	-121.149233 °
DWR ID	DWR_NA0017_12_s_2014_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_156_11_20160219_00009.jpg



View of rodent holes that were found on the landside toe of the levee upstream.

LM Start	2.53	Rating **	M	Issue No.	26
LM End	2.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.121296 °	38.121296 °
				-121.146643 °	-121.146643 °
DWR ID	DWR_NA0017_12_f_2015_26				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.95	Rating **	C	Issue No.	28
LM End	2.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.126035 °	38.126035 °
				-121.144003 °	-121.144003 °
DWR ID	DWR_NA0017_12_f_2015_28				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	04/14/2016 04/14/2016	Pavel Kazi

LM Start	2.97	Rating **	M	Issue No.	32
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.126304 °	38.126304 °
				-121.143996 °	-121.143996 °
DWR ID	DWR_NA0017_12_f_2014_32				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_156_32_20160219_00013.jpg



View of a slope instability that was found on the waterside of the levee looking upstream.

LM Start	3.14	Rating **	M	Issue No.	31
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.127390 °	38.127390 °
				-121.141197 °	-121.141197 °
DWR ID	DWR_NA0017_12_s_2016_31				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_156_31_20160418_00055.jpg



View of an erosion on the waterside shoulder of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	04/14/2016 04/14/2016	Pavel Kazi

LM Start	3.46	Rating **	M	Issue No.	24
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.131140 °	38.131140 °
				-121.138541 °	-121.138541 °
DWR ID	DWR_NA0017_12_f_2012_24				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_156_24_20160418_00056.jpg



Updated picture of the erosion on the waterside of the levee during spring 2016 inspection.

LM Start	3.46	Rating **	M	Issue No.	24 (cont)
LM End	3.46	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_156_24_20160219_00011.jpg



View of the erosion on the waterside of the levee during fall 2015 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	04/14/2016 04/14/2016	Pavel Kazi

LM Start	0.18	Rating **	M	Issue No.	6
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109450 °	38.110836 °
				-121.157268 °	-121.138834 °
DWR ID	DWR_NA0017_13_s_2016_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.18	Rating **	M	Issue No.	5
LM End	1.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109450 °	38.110836 °
				-121.157268 °	-121.138833 °
DWR ID	DWR_NA0017_13_s_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_157_5_20160418_00009.jpg



View of the vegetation on the waterside of the levee.

LM Start	0.57	Rating **	M	Issue No.	9
LM End	1.38	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.111115 °	38.110836 °
				-121.150756 °	-121.138834 °
DWR ID	DWR_NA0017_13_s_2016_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	04/14/2016 04/14/2016	Pavel Kazi

LM Start	1.02	Rating **	M	Issue No.	8	
LM End	1.02	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.110906 °		38.110906 °
				-121.144116 °		-121.144116 °
DWR ID	DWR_NA0017_13_f_2014_8					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 1 of 1 : SP_2016_NA0017_157_8_20160219_00005.jpg



View of an animal hole that was found on the landside of the levee looking upstream.

LM Start	1.21	Rating **	M	Issue No.	7
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.111513 °	38.111513 °
				-121.141216 °	-121.141216 °
DWR ID	DWR_NA0017_13_f_2014_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_157_7_20160219_00004.jpg



View of an animal hole that was found on the landside toe of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	04/14/2016 04/14/2016	Pavel Kazi

LM Start	0.04	Rating **	M	Issue No.	21
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109639 °	38.110234 °
				-121.159565 °	-121.152330 °
DWR ID	DWR_NA0017_14_s_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_158_21_20160418_00040.jpg



View of the vegetation on the waterside of the levee.

LM Start	0.04	Rating **	M	Issue No.	20
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109639 °	38.110245 °
				-121.159454 °	-121.152316 °
DWR ID	DWR_NA0017_14_s_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_158_20_20160418_00039.jpg



View of the vegetation on the landside of the levee.

LM Start	0.39	Rating **	M	Issue No.	14
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.109866 °	38.109866 °
				-121.153096 °	-121.153096 °
DWR ID	DWR_NA0017_14_f_2015_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_158_14_20160219_00009.jpg



Rodent holes were found on the waterside slope of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	04/14/2016 04/14/2016	Pavel Kazi

LM Start	0.56	Rating **	C	Issue No.	7
LM End	0.56	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.111490 °	38.111490 °
				-121.150762 °	-121.150762 °
DWR ID	DWR_NA0017_14_s _ 2013_7				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
This issue was corrected.					

No Photos

LM Start	0.60	Rating **	M	Issue No.	5
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.111770 °	38.111770 °
				-121.150112 °	-121.150112 °
DWR ID	DWR_NA0017_14_s _ 2012_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_158_5_20160219_00006.jpg



View of animal holes that were found on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	04/14/2016 04/14/2016	Pavel Kazi

LM Start	0.60	Rating **	M	Issue No.	4
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.111774 °	38.111774 °
				-121.150073 °	-121.150073 °
DWR ID	DWR_NA0017_14_s_2012_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

LM Start	0.60	Rating **	M	Issue No.	4 (cont)
LM End	0.60	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_NA0017_158_4_20160219_00004.jpg



View of erosion that was found on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

Photo 2 of 2 : SP_2016_NA0017_158_4_20160219_00005.jpg



View of erosion that was found on the waterside of the levee.

LM Start	0.64	Rating **	M	Issue No.	1
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.112050 °	38.112050 °
				-121.149524 °	-121.149524 °
DWR ID	DWR_NA0017_14_s_2012_1				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_158_1_20160219_00001.jpg



View of rodent holes in the waterward berm looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	04/14/2016 04/14/2016	Pavel Kazi

LM Start	0.72	Rating **	M	Issue No.	3
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.111851 °	38.111851 °
				-121.148358 °	-121.148358 °
DWR ID	DWR_NA0017_14_s_2012_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_158_3_20160219_00003.jpg



View of a rodent hole that was found on the waterside shoulder of the levee looking upstream.

LM Start	0.81	Rating **	M	Issue No.	2
LM End	0.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.110628 °	38.110628 °
				-121.147429 °	-121.147429 °
DWR ID	DWR_NA0017_14_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_158_2_20160219_00002.jpg



View of a large diameter rodent hole in the waterward berm looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	0.00	Rating **	A/W	Issue No.	1155
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			0.000000 °	0.000000 °
				0.000000 °	0.000000 °
DWR ID	DWR_NA0017_15_s_2014_1155				
Comment Code					
Inspector Comment					
This is the Upper Calaveras river channel. No levee exists.					

Photo 1 of 1 : SP_2016_NA0017_159_1155_20160502_00305.jpg



View of the dam at the starting of the Mormon slough.

LM Start	0.01	Rating **	U	Issue No.	210
LM End	0.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.052646 °	38.050071 °
				-121.011926 °	-121.014189 °
DWR ID	DWR_NA0017_15_s_2016_210				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_210_20160502_00306.jpg



View of the dense vegetation on the crown of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	0.83	Rating **	M	Issue No.	7
LM End	0.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.045818 °	38.045818 °
				-121.023955 °	-121.023955 °
DWR ID	DWR_NA0017_15_s_2016_7				

Comment Code

Inspector Comment

8/12/2015: No significant change observed.
 8/20/2014: No significant change has been observed.
 9/12/2013: No significant change observed.
 08/22/2012: Site has been revisited. No significant change observed.
 09/02/2011: No significant change observed on site.
 11/02/2010: No significant change observed. The mile-long erosion continues to degrade the bank. There are a few trees along the mile-long stretch on the lower bank slope that are affected by the scarp. WS Levee Slope was changed to 2:1. As a result, normalized score increased from 62 to 65.
 08/05/2010: Recommended for waterside repair, per CLRO; "water velocity is a major factor for accelerating bank slope erosion."
 8/12/2009: Near-vertical bank erosion; degrading channel is incising the banks; recommend annual assessment and monitoring of critical erosion site, per CLRO CES Evaluation 2008 Report; district is monitoring site for change in condition; site was previously rated "U".
 2007: Visited site 02/06/2007; possible critical site. [2015 Site ID:NA0017U15RM22.91]

LM Start	0.83	Rating **	M	Issue No.	7 (cont)
LM End	0.83	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_NA0017_159_7_20160219_00010.jpg



Downstream view of the site.

Photo 2 of 3 : SP_2016_NA0017_159_7_20160219_00011.jpg



Close view of the erosion site. Small trees grow at the lower slope of the bank.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	0.83	Rating **	M	Issue No.	7 (cont)	
LM End	0.83	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.045818 °	38.045818 °	
				-121.023955 °	-121.023955 °	
DWR ID	DWR_NA0017_15_s _ 2016_7					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed.						
8/20/2014: No significant change has been observed.						
9/12/2013: No significant change observed.						
08/22/2012: Site has been revisited. No significant change observed.						
09/02/2011: No significant change observed on site.						
11/02/2010: No significant change observed. The mile-long erosion continues to degrade the bank. There are a few trees along the mile-long stretch on the lower bank slope that are affected by the scarp. WS Levee Slope was changed to 2:1. As a result, normalized score increased from 62 to 65.						
08/05/2010: Recommended for waterside repair, per CLRO; "water velocity is a major factor for accelerating bank slope erosion."						
8/12/2009: Near-vertical bank erosion; degrading channel is incising the banks; recommend annual assessment and monitoring of critical erosion site, per CLRO CES Evaluation 2008 Report; district is monitoring site for change in condition; site was previously rated "U".						
2007: Visited site 02/06/2007; possible critical site. [2015 Site ID:NA0017U15RM22.91]						

Photo 3 of 3 : SP_2016_NA0017_159_7_20160219_00012.jpg



Looking down at the site.

LM Start	1.05	Rating **	U	Issue No.	36
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.043080 °	38.043080 °
				-121.026280 °	-121.026280 °
DWR ID	DWR_NA0017_15_s _ 2016_36				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field.					
There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2015 Site ID:NA0017U16RM22.74]					

Photo 1 of 2 : SP_2016_NA0017_159_36_20160219_00057.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	1.05	Rating **	U	Issue No.	36 (cont)	
LM End	1.07	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.043080 °		38.043080 °
				-121.026280 °		-121.026280 °
DWR ID	DWR_NA0017_15_s _ 2016_36					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed.						
8/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field.						
There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2015 Site ID:NA0017U16RM22.74]						

Photo 2 of 2 : SP_2016_NA0017_159_36_20160219_00058.jpg



Close view of the erosion. Note the drainage pipe at the site.

LM Start	1.21	Rating **	U	Issue No.	35	
LM End	1.21	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.041260 °	38.041260 °	
				-121.027730 °	-121.027730 °	
DWR ID	DWR_NA0017_15_s _ 2016_35					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is at the outside corner of a river bend, and next to a tree at the levee toe. Irrigation structure presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM22.58]						

Photo 1 of 3 : SP_2016_NA0017_159_35_20160219_00054.jpg



Front view of the erosion. The erosion is next to a tree at the levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	1.21	Rating **	U	Issue No.	35 (cont)	
LM End	1.21	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.041260 °	38.041260 °	
				-121.027730 °	-121.027730 °	
DWR ID	DWR_NA0017_15_s_2016_35					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is at the outside corner of a river bend, and next to a tree at the levee toe. Irrigation structure presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM22.58]						

LM Start	1.21	Rating **	U	Issue No.	35 (cont)
LM End	1.21	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_NA0017_159_35_20160219_00055.jpg



Closer view of the erosion.

Photo 3 of 3 : SP_2016_NA0017_159_35_20160219_00056.jpg



Front view of the erosion and broken concrete protection on the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	1.25	Rating **	M	Issue No.	212
LM End	2.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.040942 °	38.027740 °
				-121.028413 °	-121.052207 °
DWR ID	DWR_NA0017_15_s_2016_212				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.26	Rating **	M	Issue No.	211
LM End	4.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.040894 °	38.016203 °
				-121.028646 °	-121.067121 °
DWR ID	DWR_NA0017_15_s_2016_211				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_211_20160502_00307.jpg



View of the vegetation on the waterside of the levee.

LM Start	1.45	Rating **	N	Issue No.	1128
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.040188 °	38.040188 °
				-121.031854 °	-121.031854 °
DWR ID	DWR_NA0017_15_s_2012_1128				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	1.49	Rating **	M	Issue No.	995
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.040202 °	38.040202 °
				-121.032659 °	-121.032659 °
DWR ID	DWR_NA0017_15_s _ 2012_995				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The LMA was working on fixing the erosion site using an excavator during the inspection.					

Photo 1 of 1 : SP_2016_NA0017_159_995_20160219_00151.jpg



View of erosion of waterward levee slope looking upstream.

LM Start	1.64	Rating **	M	Issue No.	33
LM End	1.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039940 °	38.039940 °
				-121.035430 °	-121.035430 °
DWR ID	DWR_NA0017_15_s _ 2016_33				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The berm is estimated at 10 ft. Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM22.15]					

Photo 1 of 3 : SP_2016_NA0017_159_33_20160219_00050.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	1.64	Rating **	M	Issue No.	33 (cont)	
LM End	1.64	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.039940 °	38.039940 °	
				-121.035430 °	-121.035430 °	
DWR ID	DWR_NA0017_15_s_2016_33					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The berm is estimated at 10 ft. Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM22.15]						

Photo 2 of 3 : SP_2016_NA0017_159_33_20160219_00051.jpg



Close view of the erosion.

Photo 3 of 3 : SP_2016_NA0017_159_33_20160219_00052.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	1.78	Rating **	U	Issue No.	29
LM End	1.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039110 °	38.039110 °
				-121.037840 °	-121.037840 °
DWR ID	DWR_NA0017_15_s _ 2016_29				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM22.01]					

Photo 1 of 3 : SP_2016_NA0017_159_29_20160219_00044.jpg



Front view of the erosion site from the left river bank.

LM Start	1.78	Rating **	U	Issue No.	29 (cont)
LM End	1.79	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_NA0017_159_29_20160219_00045.jpg



Front view of the pocket erosion.

LM Start	1.78	Rating **	U	Issue No.	29 (cont)
LM End	1.79	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2016_NA0017_159_29_20160219_00046.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	1.86	Rating **	M	Issue No.	119
LM End	1.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.038472 °	38.038472 °
				-121.038966 °	-121.038966 °
DWR ID	DWR_NA0017_15_f_2015_119				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The hole could possibly ber for a survey marker.					

No Photos

LM Start	1.92	Rating **	M	Issue No.	120
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.037919 °	38.037919 °
				-121.039749 °	-121.039749 °
DWR ID	DWR_NA0017_15_f_2015_120				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
It was caused by runoff.					

Photo 1 of 1 : SP_2016_NA0017_159_120_20160219_00105.jpg



A slope instability possible cause by runoff on the landside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	1.98	Rating **	M	Issue No.	28
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037150 °	38.037150 °
				-121.040580 °	-121.040580 °
DWR ID	DWR_NA0017_15_s _ 2016_28				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM21.05]					

Photo 1 of 3 : SP_2016_NA0017_159_28_20160219_00041.jpg



Front view of the erosion

LM Start	1.98	Rating **	M	Issue No.	28 (cont)
LM End	2.00	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_NA0017_159_28_20160219_00042.jpg



Close view of the erosion.

LM Start	1.98	Rating **	M	Issue No.	28 (cont)
LM End	2.00	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2016_NA0017_159_28_20160219_00043.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	2.02	Rating **	A/W	Issue No.	123
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.036724 °	38.036724 °
				-121.040795 °	-121.040795 °
DWR ID	DWR_NA0017_15_f_2015_123				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.05	Rating **	M	Issue No.	18
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.036294 °	38.036294 °
				-121.041089 °	-121.041089 °
DWR ID	DWR_NA0017_15_s_2012_18				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_159_18_20160219_00028.jpg



Updated picture of the slope instability at the waterside slope of the levee looking upstream.

LM Start	2.05	Rating **	M	Issue No.	18 (cont)
LM End	2.05	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_159_18_20160219_00029.jpg



Slope instability was found on the waterside toe of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	2.36	Rating **	M	Issue No.	26
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.033072 °	38.033072 °
				-121.044970 °	-121.044970 °
DWR ID	DWR_NA0017_15_s _ 2016_26				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM20.71]					

Photo 1 of 3 : SP_2016_NA0017_159_26_20160219_00037.jpg



Front view of the site.

LM Start	2.36	Rating **	M	Issue No.	26 (cont)
LM End	2.37	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_NA0017_159_26_20160219_00038.jpg



Front view of the erosion. Site is covered with vegetation and trees.

LM Start	2.36	Rating **	M	Issue No.	26 (cont)
LM End	2.37	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2016_NA0017_159_26_20160219_00039.jpg



Closer view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	2.60	Rating **	M	Issue No.	5
LM End	2.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.030561 °	38.030561 °
				-121.047958 °	-121.047958 °
DWR ID	DWR_NA0017_15_s _ 2016_5				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.63	Rating **	M	Issue No.	27
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.030252 °	38.030252 °
				-121.048311 °	-121.048311 °
DWR ID	DWR_NA0017_15_s _ 2012_27				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_27_20160219_00040.jpg



Slope instability was found on the landside of the levee. The picture was taken from the crown looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	2.71	Rating **	M	Issue No.	9
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.029468 °	38.029468 °
				-121.049390 °	-121.049390 °
DWR ID	DWR_NA0017_15_s_2016_9				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.82	Rating **	M	Issue No.	127
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.028405 °	38.028405 °
				-121.051062 °	-121.051062 °
DWR ID	DWR_NA0017_15_f_2015_127				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_127_20160219_00109.jpg



Slope instability caused by vehicle on the waterside of the levee looking downstream.

LM Start	2.83	Rating **	C	Issue No.	128
LM End	2.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.028356 °	38.028356 °
				-121.051148 °	-121.051148 °
DWR ID	DWR_NA0017_15_f_2015_128				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Issue is corrected					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	2.87	Rating **	M	Issue No.	213
LM End	2.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.027992 °	38.027992 °
				-121.051762 °	-121.051762 °
DWR ID	DWR_NA0017_15_s_2016_213				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_213_20160502_00309.jpg



View of rodent holes on the landside shoulder of the levee.

LM Start	2.89	Rating **	M	Issue No.	214
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.027810 °	38.027810 °
				-121.052085 °	-121.052085 °
DWR ID	DWR_NA0017_15_s_2016_214				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole was recently filled up but not grouted.					

Photo 1 of 1 : SP_2016_NA0017_159_214_20160502_00310.jpg



View of rodent holes on the landside slope of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	3.34	Rating **	M	Issue No.	12
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.023817 °	38.023817 °
				-121.058465 °	-121.058465 °
DWR ID	DWR_NA0017_15_s_2012_12				
Comment Code					
PR : Prunings					
Inspector Comment					
Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : SP_2016_NA0017_159_12_20160219_00020.jpg



New material was placed at the toe of the landside of the levee. The picture was taken from the crown looking downstream.

LM Start	3.34	Rating **	C	Issue No.	129
LM End	3.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.023804 °	38.023804 °
				-121.058480 °	-121.058480 °
DWR ID	DWR_NA0017_15_f_2015_129				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	3.34	Rating **	M	Issue No.	130
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.023804 °	38.023804 °
				-121.058480 °	-121.058480 °
DWR ID	DWR_NA0017_15_f_2015_130				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	3.50	Rating **	M	Issue No.	217
LM End	3.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.022139 °	38.022139 °
				-121.060661 °	-121.060661 °
DWR ID	DWR_NA0017_15_s _ 2016_217				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.55	Rating **	M	Issue No.	218
LM End	3.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.021701 °	38.021701 °
				-121.061178 °	-121.061178 °
DWR ID	DWR_NA0017_15_s _ 2016_218				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_218_20160502_00312.jpg



View of rodent holes on the waterside of the levee looking upstream.

LM Start	3.58	Rating **	M	Issue No.	54
LM End	3.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.021302 °	38.017747 °
				-121.061644 °	-121.065491 °
DWR ID	DWR_NA0017_15_s _ 2016_54				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	3.77	Rating **	M	Issue No.	208
LM End	3.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.019026 °	38.019026 °
				-121.063479 °	-121.063479 °
DWR ID	DWR_NA0017_15_s_2015_208				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_208_20160219_00144.jpg



A rodent hole was found on the waterside of the levee. The picture was taken from the opposite side of the levee.

LM Start	3.78	Rating **	M	Issue No.	43
LM End	3.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.019119 °	38.019119 °
				-121.064034 °	-121.064034 °
DWR ID	DWR_NA0017_15_f_2012_43				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_159_43_20160219_00062.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	3.78	Rating **	M	Issue No.	43 (cont)	
LM End	3.78	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.019119 °		38.019119 °
				-121.064034 °		-121.064034 °
DWR ID	DWR_NA0017_15_f_2012_43					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : SP_2016_NA0017_159_43_20160219_00063.jpg



Slope instability was found on the landside slope of the levee looking downstream.

LM Start	3.87	Rating **	M	Issue No.	17
LM End	3.89	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.018100 °	38.018100 °
				-121.065170 °	-121.065170 °
DWR ID	DWR_NA0017_15_s_2016_17				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: River-induced erosion occurred on the berm, while the runoff-induced erosion occurred on the levee slope. Site is covered with vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM19.18]					

Photo 1 of 3 : SP_2016_NA0017_159_17_20160219_00025.jpg



View of the site from right river bank.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	3.87	Rating **	M	Issue No.	17 (cont)	
LM End	3.89	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.018100 °	38.018100 °	
				-121.065170 °	-121.065170 °	
DWR ID	DWR_NA0017_15_s_2016_17					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: River-induced erosion occurred on the berm, while the runoff-induced erosion occurred on the levee slope. Site is covered with vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM19.18]						

Photo 2 of 3 : SP_2016_NA0017_159_17_20160219_00026.jpg



Closer view of the erosion.

LM Start	3.87	Rating **	M	Issue No.	17 (cont)
LM End	3.89	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2016_NA0017_159_17_20160219_00027.jpg



Closer view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	3.89	Rating **	M	Issue No.	44
LM End	3.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.017945 °	38.017945 °
				-121.065295 °	-121.065295 °
DWR ID	DWR_NA0017_15_f_2012_44				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_159_44_20160219_00064.jpg



Updated picture of the slope instability on the waterside slope of the levee looking upstream. This picture was taken during fall 2014 inspection.

LM Start	3.89	Rating **	M	Issue No.	44 (cont)
LM End	3.89	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_159_44_20160219_00065.jpg



View of the slope instability on the waterside slope of the levee looking downstream during spring 2014 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	3.92	Rating **	C	Issue No.	132
LM End	3.92	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.017599 °	38.017599 °
				-121.065640 °	-121.065640 °
DWR ID	DWR_NA0017_15_f_2015_132				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings were found on the crown of the levee.					

No Photos

LM Start	4.13	Rating **	M	Issue No.	219
LM End	4.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.015008 °	38.015008 °
				-121.067477 °	-121.067477 °
DWR ID	DWR_NA0017_15_s_2016_219				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_219_20160502_00313.jpg



View of rodent holes on the waterside of the levee looking upstream.

LM Start	4.15	Rating **	M	Issue No.	220
LM End	13.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.014697 °	37.961443 °
				-121.067623 °	-121.204399 °
DWR ID	DWR_NA0017_15_s_2016_220				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	4.20	Rating **	M	Issue No.	19
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.014025 °	38.014025 °
				-121.067983 °	-121.067983 °
DWR ID	DWR_NA0017_15_s_2012_19				
Comment Code					
PR : Prunings					
Inspector Comment					
Burn pile has been burned but new material has been placed.					

Photo 1 of 2 : SP_2016_NA0017_159_19_20160219_00030.jpg



Updated picture of the prunings pile on the landside of the levee looking downstream during fall 2013 inspection.

LM Start	4.20	Rating **	M	Issue No.	19 (cont)
LM End	4.20	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_NA0017_159_19_20160219_00031.jpg



Example of a prunings pile immediately adjacent to access road.
Evidence of habitual burnings at this site.

LM Start	4.23	Rating **	M	Issue No.	221
LM End	5.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.013754 °	38.003501 °
				-121.068241 °	-121.073246 °
DWR ID	DWR_NA0017_15_s_2016_221				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	4.28	Rating **	U	Issue No.	124
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.012910 °	38.012910 °
				-121.067996 °	-121.067996 °
DWR ID	DWR_NA0017_15_s_2013_124				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Picture was taken from the other side of the levee.					

Photo 1 of 1 : SP_2016_NA0017_159_124_20160219_00107.jpg



An animal hole was found on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

LM Start	4.31	Rating **	M	Issue No.	209
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.012474 °	38.012474 °
				-121.068144 °	-121.068144 °
DWR ID	DWR_NA0017_15_s_2015_209				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
It was started from rodent holes.					

Photo 1 of 2 : SP_2016_NA0017_159_209_20160219_00145.jpg



View of the erosion caused by an animal hole on the waterside shoulder of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	4.31	Rating **	M	Issue No.	209 (cont)	
LM End	4.31	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.012474 °		38.012474 °
				-121.068144 °		-121.068144 °
DWR ID	DWR_NA0017_15_s_2015_209					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
It was started from rodent holes.						

Photo 2 of 2 : SP_2016_NA0017_159_209_20160219_00146.jpg



A large rodent hole was found on the waterside of the levee. The picture was taken across the levee.

LM Start	4.51	Rating **	M	Issue No.	133
LM End	4.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.009753 °	38.009753 °
				-121.069559 °	-121.069559 °
DWR ID	DWR_NA0017_15_f_2015_133				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_159_133_20160503_00314.jpg



Updated view of the erosion on the waterside shoulder during spring 2016 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	4.51	Rating **	M	Issue No.	133 (cont)	
LM End	4.51	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.009753 °		38.009753 °
				-121.069559 °		-121.069559 °
DWR ID	DWR_NA0017_15_f_2015_133					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : SP_2016_NA0017_159_133_20160219_00112.jpg



Erosion was found on the waterside shoulder of the levee looking downstream.

LM Start	4.63	Rating **	M	Issue No.	96
LM End	4.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.008053 °	38.008053 °
				-121.070141 °	-121.070141 °
DWR ID	DWR_NA0017_15_s_2012_96				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
LMA has fixed the issue but the riprap has rebar which would can be dangerous during the flood fighting efforts.					

Photo 1 of 3 : SP_2016_NA0017_159_96_20160219_00091.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream during spring 2013 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	4.98	Rating **	U	Issue No.	11
LM End	4.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.003730 °	38.003730 °
				-121.073080 °	-121.073080 °
DWR ID	DWR_NA0017_15_s _ 2016_11				

Comment Code

Inspector Comment

8/12/2015: No significant change observed.
 8/20/2014: No significant change observed.
 9/12/2013: Site has been surveyed and the pocket erosion has developed toward levee crest.
 08/22/2012: A pocket erosion at the levee toe and on lower slope. The levee surface at the upper slope also shows signs of erosion due to poor maintenance. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.
 [2015 Site ID:NA0017U16RM17.99]

LM Start	4.98	Rating **	U	Issue No.	11 (cont)
LM End	4.98	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_NA0017_159_11_20160219_00018.jpg



View from right river bank.

Photo 2 of 2 : SP_2016_NA0017_159_11_20160219_00019.jpg



A close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	5.03	Rating **	M	Issue No.	171
LM End	5.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.003105 °	38.003105 °
				-121.073585 °	-121.073585 °
DWR ID	DWR_NA0017_15_f_2014_171				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Bank Caving.					

Photo 1 of 2 : SP_2016_NA0017_159_171_20160503_00315.jpg



Updated picture of the slope instability on the waterside of the levee during spring 2016 inspection.

LM Start	5.03	Rating **	M	Issue No.	171 (cont)
LM End	5.03	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_159_171_20160219_00129.jpg



View of the slope instability on the waterside of the levee looking upstream during fall 2015 inspection.

LM Start	5.04	Rating **	M	Issue No.	1009
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.003021 °	38.003021 °
				-121.073658 °	-121.073658 °
DWR ID	DWR_NA0017_15_s_2012_1009				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_1009_20160219_00152.jpg



View of a slip in the waterward levee slope looking downstream.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	5.52	Rating **	M	Issue No.	202
LM End	5.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.997257 °	37.997257 °
				-121.078775 °	-121.078775 °
DWR ID	DWR_NA0017_15_s _ 2016_202				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_202_20160425_00303.jpg



View of an erosion on the waterside shoulder of the levee.

LM Start	6.43	Rating **	M	Issue No.	222
LM End	7.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.986583 °	37.978227 °
				-121.088441 °	-121.102879 °
DWR ID	DWR_NA0017_15_s _ 2016_222				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.61	Rating **	A/W	Issue No.	79
LM End	6.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.984518 °	37.983260 °
				-121.090267 °	-121.092022 °
DWR ID	DWR_NA0017_15_s _ 2012_79				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Farmer tilling & driving onto levee, causing erosion.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	6.67	Rating **	M	Issue No.	140
LM End	6.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983817 °	37.983817 °
				-121.091141 °	-121.091141 °
DWR ID	DWR_NA0017_15_f_2015_140				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_140_20160219_00116.jpg



Rodent holes were found on the landside shoulder of the levee looking downstream.

LM Start	6.68	Rating **	M	Issue No.	139
LM End	6.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983817 °	37.983817 °
				-121.091142 °	-121.091142 °
DWR ID	DWR_NA0017_15_f_2015_139				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_139_20160219_00115.jpg



Rodent holes were found on the waterside of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	6.96	Rating **	M	Issue No.	115
LM End	7.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981387 °	37.979749 °
				-121.095370 °	-121.099178 °
DWR ID	DWR_NA0017_15_s_2014_115				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_115_20160219_00103.jpg



Tree limbs were obstructing the visibility of the crown of the levee looking downstream.

LM Start	7.21	Rating **	M	Issue No.	102
LM End	7.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.979612 °	37.979612 °
				-121.099390 °	-121.099390 °
DWR ID	DWR_NA0017_15_s_2012_102				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_102_20160219_00095.jpg



Debris was found on the waterside slope of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	8.39	Rating **	M	Issue No.	82
LM End	8.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.969811 °	37.969811 °
				-121.116078 °	-121.116078 °
DWR ID	DWR_NA0017_15_s_2016_82				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo on the waterside toe.					

Photo 1 of 1 : SP_2016_NA0017_159_82_20160503_00316.jpg



View of arundo on the waterside toe of the levee.

LM Start	8.43	Rating **	M	Issue No.	65
LM End	8.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.969748 °	37.969748 °
				-121.116767 °	-121.116767 °
DWR ID	DWR_NA0017_15_s_2013_65				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_159_65_20160219_00076.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during fall 2015 inspection.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	8.43	Rating **	M	Issue No.	65 (cont)	
LM End	8.43	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.969748 °	37.969748 °	
				-121.116767 °	-121.116767 °	
DWR ID	DWR_NA0017_15_s_2013_65					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : SP_2016_NA0017_159_65_20160219_00077.jpg



View of the slope instability on the waterside of the levee looking downstream during spring 2014 inspection.

LM Start	8.43	Rating **	M	Issue No.	6
LM End	8.43	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.969711 °	37.969711 °
				-121.116739 °	-121.116739 °
DWR ID	DWR_NA0017_15_s_2016_6				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed. More vegetation is observed at the site.					
8/20/2014: No significant change observed.					
09/12/2013: The erosion has been caused by runoff. [2015 Site ID:NA0017U15RM14.49]					

Photo 1 of 3 : SP_2016_NA0017_159_6_20160219_00007.jpg



Looking down at the erosion from the levee crest.

LM Start	8.43	Rating **	M	Issue No.	6 (cont)
LM End	8.43	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_NA0017_159_6_20160219_00008.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	8.43	Rating **	M	Issue No.	6 (cont)	
LM End	8.43	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.969711 °		37.969711 °
				-121.116739 °		-121.116739 °
DWR ID	DWR_NA0017_15_s _ 2016_6					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed. More vegetation is observed at the site.						
8/20/2014: No significant change observed.						
09/12/2013: The erosion has been caused by runoff. [2015 Site ID:NA0017U15RM14.49]						

Photo 3 of 3 : SP_2016_NA0017_159_6_20160219_00009.jpg



Close view of the erosion.

LM Start	8.81	Rating **	M	Issue No.	4
LM End	8.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.968060 °	37.968060 °
				-121.123299 °	-121.123299 °
DWR ID	DWR_NA0017_15_s _ 2016_4				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: Both ends of the erosion site are protected by riprap. [2015 Site ID:NA0017U15RM13.87]					

Photo 1 of 3 : SP_2016_NA0017_159_4_20160219_00003.jpg



View of the site from the left river bank.

LM Start	8.81	Rating **	M	Issue No.	4 (cont)
LM End	8.83	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_NA0017_159_4_20160219_00004.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	8.81	Rating **	M	Issue No.	4 (cont)	
LM End	8.83	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.968060 °		37.968060 °
				-121.123299 °		-121.123299 °
DWR ID	DWR_NA0017_15_s_2016_4					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed.						
8/20/2014: Both ends of the erosion site are protected by riprap. [2015 Site ID:NA0017U15RM13.87]						

Photo 3 of 3 : SP_2016_NA0017_159_4_20160219_00005.jpg



Close view of the erosion.

LM Start	8.86	Rating **	M	Issue No.	148
LM End	9.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.967726 °	37.965119 °
				-121.124092 °	-121.142330 °
DWR ID	DWR_NA0017_15_f_2015_148				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	9.07	Rating **	U	Issue No.	10
LM End	9.07	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.967019 °	37.967019 °
				-121.127581 °	-121.127581 °
DWR ID	DWR_NA0017_15_s _ 2016_10				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: The erosion might have been caused by river flow combined with runoff. Dense vegetation is presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM13.85]					

Photo 1 of 2 : SP_2016_NA0017_159_10_20160219_00016.jpg



View of the site from the right river bank.

LM Start	9.07	Rating **	U	Issue No.	10 (cont)
LM End	9.07	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_159_10_20160219_00017.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	9.37	Rating **	M	Issue No.	8
LM End	9.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.967190 °	37.967190 °
				-121.133080 °	-121.133080 °
DWR ID	DWR_NA0017_15_s _ 2016_8				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: The erosion is on berm. The berm width is estimated.					
There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM13.53]					

LM Start	9.37	Rating **	M	Issue No.	8 (cont)
LM End	9.39	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_NA0017_159_8_20160219_00013.jpg



Upstream view of the erosion.

Photo 2 of 3 : SP_2016_NA0017_159_8_20160219_00014.jpg



Close view of the erosion.

LM Start	9.37	Rating **	M	Issue No.	8 (cont)
LM End	9.39	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2016_NA0017_159_8_20160219_00015.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	9.39	Rating **	M	Issue No.	121
LM End	9.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.967155 °	37.967155 °
				-121.133277 °	-121.133277 °
DWR ID	DWR_NA0017_15_f_2012_121				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_121_20160219_00106.jpg



A slope instability was found on the waterside slope of the levee looking downstream.

LM Start	9.81	Rating **	M	Issue No.	147
LM End	9.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.965314 °	37.965314 °
				-121.140296 °	-121.140296 °
DWR ID	DWR_NA0017_15_s_2012_147				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_147_20160219_00120.jpg



Prunings were found on the waterside shoulder of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	9.90	Rating **	M	Issue No.	68
LM End	9.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.965165 °	37.965165 °
				-121.141928 °	-121.141928 °
DWR ID	DWR_NA0017_15_s_2013_68				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_68_20160219_00080.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	10.40	Rating **	M	Issue No.	78
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.964942 °	37.964942 °
				-121.151073 °	-121.151073 °
DWR ID	DWR_NA0017_15_s_2012_78				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_159_78_20160219_00084.jpg



Prunings were found on the waterside of the levee looking downstream.

LM Start	10.40	Rating **	M	Issue No.	78 (cont)
LM End	10.40	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_159_78_20160219_00085.jpg



View of the prunings pile on the waterward slope looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	10.65	Rating **	M	Issue No.	136
LM End	11.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.963870 °	37.960797 °
				-121.155505 °	-121.167441 °
DWR ID	DWR_NA0017_15_s_2016_136				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.71	Rating **	M	Issue No.	223
LM End	10.71	Issue Type +	Ma	Location *	N/A
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.963612 °	37.963612 °
				-121.156500 °	-121.156500 °
DWR ID	DWR_NA0017_15_s_2016_223				
Comment Code					
Inspector Comment					
Woody vegetation on the channel bank may impede the flow of the channel.					

Photo 1 of 1 : SP_2016_NA0017_159_223_20160503_00317.jpg



View of woody vegetation on the channel looking downstream.

LM Start	10.77	Rating **	M	Issue No.	106
LM End	10.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.963319 °	37.963319 °
				-121.157557 °	-121.157557 °
DWR ID	DWR_NA0017_15_s_2012_106				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings and ashes piled at the toe.					

Photo 1 of 1 : SP_2016_NA0017_159_106_20160219_00098.jpg



Prunings were found on the landside of the levee looking downstream.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	13.50	Rating **	M	Issue No.	226
LM End	14.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.961697 °	37.972004 °
				-121.204914 °	-121.225488 °
DWR ID	DWR_NA0017_15_s_2016_226				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.50	Rating **	M	Issue No.	225
LM End	16.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.961697 °	37.982156 °
				-121.204914 °	-121.249425 °
DWR ID	DWR_NA0017_15_s_2016_225				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	15.04	Rating **	M	Issue No.	180
LM End	15.04	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.973416 °	37.973416 °
				-121.228922 °	-121.228922 °
DWR ID	DWR_NA0017_15_f_2014_180				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_180_20160219_00136.jpg



The monolith joint is deteriorating on the waterside shoulder of the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	15.19	Rating **	M	Issue No.	138
LM End	16.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.974443 °	37.982156 °
				-121.231288 °	-121.249424 °
DWR ID	DWR_NA0017_15_s_2016_138				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	15.37	Rating **	M	Issue No.	154
LM End	15.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975671 °	37.975671 °
				-121.234277 °	-121.234277 °
DWR ID	DWR_NA0017_15_f_2015_154				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	15.41	Rating **	M	Issue No.	194
LM End	15.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975893 °	37.975893 °
				-121.234858 °	-121.234858 °
DWR ID	DWR_NA0017_15_s_2015_194				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_194_20160219_00141.jpg



Rodent holes were found on the landside of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	15.42	Rating **	M	Issue No.	32
LM End	15.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975959 °	37.975959 °
				-121.235058 °	-121.235058 °
DWR ID	DWR_NA0017_15_s_2014_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_159_32_20160219_00048.jpg



Updated picture of the rodent hole on the landside of the levee during spring 2015 inspection.

LM Start	15.42	Rating **	M	Issue No.	32 (cont)
LM End	15.42	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_NA0017_159_32_20160219_00049.jpg



A rodent hole was found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	15.43	Rating **	M	Issue No.	71
LM End	15.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.976000 °	37.976000 °
				-121.235156 °	-121.235156 °
DWR ID	DWR_NA0017_15_s_2013_71				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_159_71_20160219_00081.jpg



Updated picture of the rodent holes on the landside of the levee looking downstream during fall 2015 inspection.

LM Start	15.43	Rating **	M	Issue No.	71 (cont)
LM End	15.43	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_NA0017_159_71_20160219_00082.jpg



View of the animal holes on the landside of the levee looking upstream during fall 2014 inspection.

LM Start	15.79	Rating **	M	Issue No.	196
LM End	15.79	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.978513 °	37.978513 °
				-121.240984 °	-121.240984 °
DWR ID	DWR_NA0017_15_s_2015_196				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	16.14	Rating **	M	Issue No.	198
LM End	16.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.980961 °	37.980961 °
				-121.246553 °	-121.246553 °
DWR ID	DWR_NA0017_15_s_2015_198				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

Photo 1 of 1 : SP_2016_NA0017_159_198_20160219_00142.jpg



View of slope instability due to runoff on the landside of the levee looking upstream.

LM Start	16.20	Rating **	M	Issue No.	86
LM End	16.20	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.981363 °	37.981363 °
				-121.247601 °	-121.247601 °
DWR ID	DWR_NA0017_15_f_2013_86				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	16.26	Rating **	M	Issue No.	158
LM End	16.26	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.981755 °	37.981755 °
				-121.248507 °	-121.248507 °
DWR ID	DWR_NA0017_15_f_2015_158				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

No Photos

LM Start	16.26	Rating **	M	Issue No.	197
LM End	16.26	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.981770 °	37.981770 °
				-121.248521 °	-121.248521 °
DWR ID	DWR_NA0017_15_s_2015_197				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

No Photos

LM Start	16.26	Rating **	M	Issue No.	184
LM End	16.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981800 °	37.981800 °
				-121.248545 °	-121.248545 °
DWR ID	DWR_NA0017_15_f_2014_184				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Surface runoff.					

Photo 1 of 1 : SP_2016_NA0017_159_184_20160219_00137.jpg



Erosion caused by surface runoff was found on the landside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	16.50	Rating **	C	Issue No.	160
LM End	16.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.983513 °	37.983513 °
				-121.252295 °	-121.252295 °
DWR ID	DWR_NA0017_15_f_2015_160				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	16.50	Rating **	M	Issue No.	157
LM End	18.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.983523 °	37.994911 °
				-121.252319 °	-121.277151 °
DWR ID	DWR_NA0017_15_s_2016_157				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	16.50	Rating **	M	Issue No.	156
LM End	18.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.983523 °	37.994909 °
				-121.252320 °	-121.277032 °
DWR ID	DWR_NA0017_15_s_2016_156				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	18.99	Rating **	M	Issue No.	131
LM End	18.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.999901 °	37.999901 °
				-121.271303 °	-121.271303 °
DWR ID	DWR_NA0017_15_s_2012_131				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	19.98	Rating **	M	Issue No.	206
LM End	19.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.993639 °	37.993639 °
				-121.285925 °	-121.285925 °
DWR ID	DWR_NA0017_15_s_2016_206				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	19.99	Rating **	N	Issue No.	103
LM End	19.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.993578 °	37.993578 °
				-121.286165 °	-121.286165 °
DWR ID	DWR_NA0017_15_f_2013_103				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	21.25	Rating **	M	Issue No.	172
LM End	21.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.988969 °	37.988969 °
				-121.307009 °	-121.307009 °
DWR ID	DWR_NA0017_15_f_2015_172				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff.					

Photo 1 of 1 : SP_2016_NA0017_159_172_20160219_00131.jpg



Erosion was found on the landside of the levee looking downstream.

LM Start	21.35	Rating **	M	Issue No.	203
LM End	23.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.987575 °	37.975907 °
				-121.307664 °	-121.346376 °
DWR ID	DWR_NA0017_15_s_2016_203				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	21.86	Rating **	M	Issue No.	205
LM End	22.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.982164 °	37.981954 °
				-121.313610 °	-121.328491 °
DWR ID	DWR_NA0017_15_s_2016_205				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	21.96	Rating **	M	Issue No.	173
LM End	21.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981147 °	37.981147 °
				-121.315071 °	-121.315071 °
DWR ID	DWR_NA0017_15_s_2012_173				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff.					

Photo 1 of 1 : SP_2016_NA0017_159_173_20160219_00132.jpg



View of the erosion caused by run off on the landside slope of the levee looking downstream during fall 2015 inspection.

LM Start	22.79	Rating **	C	Issue No.	175
LM End	22.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.981721 °	37.981721 °
				-121.329175 °	-121.329175 °
DWR ID	DWR_NA0017_15_f_2015_175				
Comment Code					
DE : Debris					
Inspector Comment					
This issue is corrected.					

No Photos

LM Start	23.05	Rating **	M	Issue No.	204
LM End	23.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.980761 °	37.976008 °
				-121.333537 °	-121.346264 °
DWR ID	DWR_NA0017_15_s_2016_204				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	23.84	Rating **	N	Issue No.	176
LM End	23.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.976483 °	37.976483 °
				-121.345756 °	-121.345756 °
DWR ID	DWR_NA0017_15_s_2012_176				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	24.00	Rating **	A/W	Issue No.	187
LM End	24.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.974858 °	37.974858 °
				-121.347718 °	-121.347718 °
DWR ID	DWR_NA0017_15_f_2012_187				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_187_20160219_00138.jpg



Revetment was placed by the LMA on the waterside slope of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	04/21/2016 04/29/2016	Pavel Kazi

LM Start	24.65	Rating **	A/W	Issue No.	188
LM End	24.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.969095 °	37.969095 °
				-121.356301 °	-121.356301 °
DWR ID	DWR_NA0017_15_f_2012_188				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_188_20160219_00139.jpg



Revetments were placed by the LMA on the waterside slope of the levee looking downstream.

LM Start	24.81	Rating **	A/W	Issue No.	189
LM End	24.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.967943 °	37.967943 °
				-121.358711 °	-121.358711 °
DWR ID	DWR_NA0017_15_f_2012_189				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_159_189_20160219_00140.jpg



Revetments were placed by the LMA on the waterside slope of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	793
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.055298 °	38.055298 °
				-121.000460 °	-121.000460 °
DWR ID	DWR_NA0017_16_f_2013_793				
Comment Code					
Inspector Comment					
This is in a small section of the upper Calaveras River, above Escallon-Bellota Road. The county has a small section that we maintain above the weir. A large tree fell into the channel; the root ball was over 15 feet in diameter. We worked with Stockton East and their divers to remove most of the tree from the channel. Some of the tree remains in the channel because of it being too heavy (water-logged) to remove at this time. Crews plan to go back to remove it when the water goes down.					

No Photos

LM Start	0.11	Rating **	U	Issue No.	82
LM End	0.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.048159 °	38.048159 °
				-121.016427 °	-121.016427 °
DWR ID	DWR_NA0017_16_s_2016_82				
Comment Code					
Inspector Comment					
8/12/2015: The erosion progressed at the site. Newly collapsed material is observed at the bottom of the erosion.					
8/20/2014: The erosion at the site has worsened. The erosion increased in both length and in height.					
09/12/2013: Site has been visited and signs of new erosion are visible.					
08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM23.35]					

Photo 1 of 3 : SP_2016_NA0017_160_82_20160219_00076.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	0.11	Rating **	U	Issue No.	82 (cont)
LM End	0.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.048159 °	38.048159 °
				-121.016427 °	-121.016427 °
DWR ID	DWR_NA0017_16_s _ 2016_82				
Comment Code					
Inspector Comment					
8/12/2015: The erosion progressed at the site. Newly collapsed material is observed at the bottom of the erosion.					
8/20/2014: The erosion at the site has worsened. The erosion increased in both length and in height.					
09/12/2013: Site has been visited and signs of new erosion are visible.					
08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM23.35]					

LM Start	0.11	Rating **	U	Issue No.	82 (cont)
LM End	0.47	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_NA0017_160_82_20160219_00077.jpg



Front view of the erosion. Looking from the right side of the river.

Photo 3 of 3 : SP_2016_NA0017_160_82_20160219_00078.jpg



Close view of the erosion. Signs of new erosion along the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	0.69	Rating **	N	Issue No.	216
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.045531 °	38.045531 °
				-121.022881 °	-121.022881 °
DWR ID	DWR_NA0017_16_s_2012_216				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.80	Rating **	M	Issue No.	72
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.044366 °	38.044366 °
				-121.024280 °	-121.024280 °
DWR ID	DWR_NA0017_16_s_2012_72				
Comment Code					
EQ : Equipment					
Inspector Comment					

No Photos

LM Start	0.90	Rating **	M	Issue No.	231
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043248 °	38.040595 °
				-121.025309 °	-121.027945 °
DWR ID	DWR_NA0017_16_f_2015_231				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	1.38	Rating **	M	Issue No.	232
LM End	1.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.039618 °	38.039618 °
				-121.032266 °	-121.032266 °
DWR ID	DWR_NA0017_16_f_2015_232				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.75	Rating **	M	Issue No.	76
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.038080 °	38.038080 °
				-121.038676 °	-121.038676 °
DWR ID	DWR_NA0017_16_s_2016_76				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: The erosion is covered by dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM21.95]					

Photo 1 of 3 : SP_2016_NA0017_160_76_20160219_00071.jpg



Front view of the erosion site.

LM Start	1.75	Rating **	M	Issue No.	76 (cont)
LM End	1.76	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_NA0017_160_76_20160219_00072.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	1.75	Rating **	M	Issue No.	76 (cont)	
LM End	1.76	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.038080 °		38.038080 °
				-121.038676 °		-121.038676 °
DWR ID	DWR_NA0017_16_s _ 2016_76					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed.						
8/20/2014: No significant change observed.						
9/12/2013: No significant change observed.						
08/22/2012: The erosion is covered by dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM21.95]						

Photo 3 of 3 : SP_2016_NA0017_160_76_20160219_00073.jpg



Close view of the erosion.

LM Start	1.77	Rating **	M	Issue No.	75
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037906 °	38.037906 °
				-121.038949 °	-121.038949 °
DWR ID	DWR_NA0017_16_s _ 2016_75				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed					
9/12/2013: No significant change observed.					
08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					
[2015 Site ID:NA0017U16RM21.94]					

Photo 1 of 3 : SP_2016_NA0017_160_75_20160219_00068.jpg



Looking at the erosion from right river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	1.77	Rating **	M	Issue No.	75 (cont)	
LM End	1.78	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.037906 °	38.037906 °	
				-121.038949 °	-121.038949 °	
DWR ID	DWR_NA0017_16_s_2016_75					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed.						
8/20/2014: No significant change observed						
9/12/2013: No significant change observed.						
08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.						
[2015 Site ID:NA0017U16RM21.94]						

Photo 2 of 3 : SP_2016_NA0017_160_75_20160219_00069.jpg



Front view of the erosion.

LM Start	1.77	Rating **	M	Issue No.	75 (cont)
LM End	1.78	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2016_NA0017_160_75_20160219_00070.jpg



Close view of the erosion. Note the dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	1.91	Rating **	M	Issue No.	155
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.036248 °	38.036248 °
				-121.040408 °	-121.040408 °
DWR ID	DWR_NA0017_16_f_2013_155				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_155_20160219_00115.jpg



Erosion was found on the waterside of the levee looking downstream.

LM Start	2.00	Rating **	M	Issue No.	85
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.035118 °	38.035118 °
				-121.041227 °	-121.041227 °
DWR ID	DWR_NA0017_16_s_2012_85				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	2.30	Rating **	U	Issue No.	70
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.032202 °	38.032202 °
				-121.045226 °	-121.045226 °
DWR ID	DWR_NA0017_16_s_2016_70				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change has been observed.					
9/12/2013: No significant change observed.					
08/22/2012: The erosion was first reported in the 2012 spring levee inspection report. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					
[2015 Site ID:NA0017U16RM20.62]					

LM Start	2.30	Rating **	U	Issue No.	70 (cont)
LM End	2.31	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_NA0017_160_70_20160219_00063.jpg



Front view of the site.

Photo 2 of 3 : SP_2016_NA0017_160_70_20160219_00064.jpg



Close view of the erosion. Note the vegetation at the site.

LM Start	2.30	Rating **	U	Issue No.	70 (cont)
LM End	2.31	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2016_NA0017_160_70_20160219_00065.jpg



Close view of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	2.35	Rating **	M	Issue No.	213
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.031763 °	38.031763 °
				-121.045808 °	-121.045808 °
DWR ID	DWR_NA0017_16_f_2012_213				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_213_20160219_00134.jpg



Updated picture of the slope instability on the waterside shoulder of the levee looking upstream.

LM Start	2.35	Rating **	M	Issue No.	213 (cont)
LM End	2.35	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_213_20160219_00135.jpg



Slope instability was found on the waterside of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	2.36	Rating **	M	Issue No.	233
LM End	2.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.031654 °	38.031654 °
				-121.045925 °	-121.045925 °
DWR ID	DWR_NA0017_16_f_2015_233				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_233_20160219_00141.jpg



A rodent hole was found on the waterside of the levee.

LM Start	2.38	Rating **	M	Issue No.	234
LM End	2.38	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.031361 °	38.031361 °
				-121.046214 °	-121.046214 °
DWR ID	DWR_NA0017_16_f_2015_234				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	2.85	Rating **	U	Issue No.	64
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.026670 °	38.026670 °
				-121.053031 °	-121.053031 °
DWR ID	DWR_NA0017_16_s _ 2016_64				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: Site Comprised of series of pocket and scarp erosions.					
Some of erosions are covered by grass or shrubs. There is no levee					
structure on site. The levee crest width and levee height were not					
measured or estimated in the field. [2015 Site ID:NA0017U16RM20]					

Photo 1 of 4 : SP_2016_NA0017_160_64_20160219_00054.jpg



Front view of the erosion.

LM Start	2.85	Rating **	U	Issue No.	64 (cont)
LM End	2.91	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SP_2016_NA0017_160_64_20160219_00055.jpg



Close view of the erosion.

LM Start	2.85	Rating **	U	Issue No.	64 (cont)
LM End	2.91	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SP_2016_NA0017_160_64_20160219_00056.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	2.85	Rating **	U	Issue No.	64 (cont)	
LM End	2.91	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.026670 °	38.026670 °	
				-121.053031 °	-121.053031 °	
DWR ID	DWR_NA0017_16_s _ 2016_64					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed.						
8/20/2014: No significant change observed.						
9/12/2013: No significant change observed.						
08/22/2012: Site Comprised of series of pocket and scarp erosions.						
Some of erosions are covered by grass or shrubs. There is no levee						
structure on site. The levee crest width and levee height were not						
measured or estimated in the field. [2015 Site ID:NA0017U16RM20]						

Photo 4 of 4 : SP_2016_NA0017_160_64_20160219_00057.jpg



Close view of the scarp erosion. Note the small tree at the erosion site.

LM Start	2.86	Rating **	M	Issue No.	267
LM End	3.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.026969 °	38.021441 °
				-121.052712 °	-121.060667 °
DWR ID	DWR_NA0017_16_s _ 2016_267				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	3.23	Rating **	C	Issue No.	235
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.023392 °	38.023392 °
				-121.057924 °	-121.057924 °
DWR ID	DWR_NA0017_16_f_2015_235				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
This issue is corrected.					

No Photos

LM Start	3.41	Rating **	M	Issue No.	53
LM End	3.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.021650 °	38.021650 °
				-121.060312 °	-121.060312 °
DWR ID	DWR_NA0017_16_s_2012_53				
Comment Code					
PR : Prunings					
Inspector Comment					
Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : SP_2016_NA0017_160_53_20160219_00045.jpg



Prunings were found on the waterside shoulder of the levee looking downstream.

LM Start	3.48	Rating **	M	Issue No.	152
LM End	3.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.020965 °	38.020965 °
				-121.061215 °	-121.061215 °
DWR ID	DWR_NA0017_16_f_2013_152				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_152_20160219_00114.jpg



Arundo was found on the waterside toe of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	3.53	Rating **	M	Issue No.	230
LM End	3.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.020433 °	38.020433 °
				-121.061867 °	-121.061867 °
DWR ID	DWR_NA0017_16_f_2012_230				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_230_20160219_00139.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	3.53	Rating **	M	Issue No.	230 (cont)
LM End	3.53	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_230_20160219_00140.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	3.61	Rating **	M	Issue No.	54
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.019642 °	38.019642 °
				-121.062917 °	-121.062917 °
DWR ID	DWR_NA0017_16_s_2016_54				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: A pocket erosion was found near the water's edge. [2015 Site ID:NA0017U16RM19.29]					

Photo 1 of 2 : SP_2016_NA0017_160_54_20160219_00046.jpg



Close view of the erosion.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	3.61	Rating **	M	Issue No.	54 (cont)	
LM End	3.61	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.019642 °	38.019642 °	
				-121.062917 °	-121.062917 °	
DWR ID	DWR_NA0017_16_s_2016_54					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed.						
8/20/2014: A pocket erosion was found near the water's edge. [2015 Site ID:NA0017U16RM19.29]						

Photo 2 of 2 : SP_2016_NA0017_160_54_20160219_00047.jpg



View of the site.

LM Start	3.61	Rating **	C	Issue No.	211
LM End	3.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.019604 °	38.019604 °
				-121.062883 °	-121.062883 °
DWR ID	DWR_NA0017_16_s_2012_211				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
This issue is corrected.					

No Photos

LM Start	3.67	Rating **	M	Issue No.	266
LM End	3.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.018892 °	38.016572 °
				-121.063528 °	-121.065962 °
DWR ID	DWR_NA0017_16_f_2014_266				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	3.92	Rating **	M	Issue No.	269
LM End	4.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.016121 °	38.012485 °
				-121.066360 °	-121.068158 °
DWR ID	DWR_NA0017_16_s_2016_269				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.16	Rating **	U	Issue No.	47
LM End	4.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.012792 °	38.012792 °
				-121.068073 °	-121.068073 °
DWR ID	DWR_NA0017_16_s_2016_47				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: An irrigation pipe is present at the site, but probably did not cause the erosion. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					
[2015 Site ID:NA0017U16RM18.69]					

Photo 1 of 2 : SP_2016_NA0017_160_47_20160219_00036.jpg



View of the erosion site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	4.16	Rating **	U	Issue No.	47 (cont)	
LM End	4.18	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.012792 °	38.012792 °	
				-121.068073 °	-121.068073 °	
DWR ID	DWR_NA0017_16_s _ 2016_47					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed.						
8/20/2014: No significant change observed.						
9/12/2013: No significant change observed.						
08/22/2012: An irrigation pipe is present at the site, but probably did not cause the erosion. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.						
[2015 Site ID:NA0017U16RM18.69]						

Photo 2 of 2 : SP_2016_NA0017_160_47_20160219_00037.jpg



Closer view of the erosion.

LM Start	4.19	Rating **	C	Issue No.	236	
LM End	4.19	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.012491 °		38.012491 °
				-121.068118 °		-121.068118 °
DWR ID	DWR_NA0017_16_f _ 2015_236					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Issue is corrected.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	4.20	Rating **	M	Issue No.	228
LM End	4.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.012288 °	38.012288 °
				-121.068239 °	-121.068239 °
DWR ID	DWR_NA0017_16_f_2012_228				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_228_20160219_00137.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

LM Start	4.20	Rating **	M	Issue No.	228 (cont)
LM End	4.20	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_228_20160219_00138.jpg



Slope instability was found on the waterside shoulder of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	4.85	Rating **	A/W	Issue No.	245
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.003673 °	38.003673 °
				-121.072496 °	-121.072496 °
DWR ID	DWR_NA0017_16_s _ 2015_245				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Observe to make sure the erosion doesn't cut into the access road.					

Photo 1 of 1 : SP_2016_NA0017_160_245_20160219_00144.jpg



View of erosion on the waterside slope of the levee looking downstream.

LM Start	5.01	Rating **	U	Issue No.	271
LM End	5.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.001718 °	38.001718 °
				-121.074195 °	-121.074195 °
DWR ID	DWR_NA0017_16_s _ 2016_271				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Heavy vegetation was obstructing the accessibility of the patrol road.					

Photo 1 of 1 : SP_2016_NA0017_160_271_20160425_00367.jpg



View of vegetation on the crown that was obstructing the visibility and accessibility on the levee. The picture was taken from the crown looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	5.05	Rating **	M	Issue No.	196
LM End	5.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.001284 °	38.000116 °
				-121.074596 °	-121.075633 °
DWR ID	DWR_NA0017_16_s_2012_196				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_196_20160219_00128.jpg



Concrete debris was found on the waterside slope of the levee looking upstream.

LM Start	5.05	Rating **	M	Issue No.	196 (cont)
LM End	5.15	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_196_20160219_00129.jpg



Debris was found on the waterside of the levee looking upstream.

LM Start	5.20	Rating **	M	Issue No.	265
LM End	5.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.999537 °	37.999537 °
				-121.076133 °	-121.076133 °
DWR ID	DWR_NA0017_16_f_2014_265				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_265_20160219_00151.jpg



A slope instability was found on the waterside slope of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	5.29	Rating **	N	Issue No.	226
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.998515 °	37.998515 °
				-121.077104 °	-121.077104 °
DWR ID	DWR_NA0017_16_f_2012_226				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	5.29	Rating **	N	Issue No.	195	
LM End	5.29	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.998517 °		37.998517 °
				-121.077116 °		-121.077116 °
DWR ID	DWR_NA0017_16_s_2012_195					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	5.33	Rating **	M	Issue No.	41
LM End	5.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.997720 °	37.997720 °
				-121.077807 °	-121.077807 °
DWR ID	DWR_NA0017_16_s_2016_41				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: The site is located at the opposite river bank of E. Tobacco Road. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM17.81]					

LM Start	5.33	Rating **	M	Issue No.	41 (cont)
LM End	5.38	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_NA0017_160_41_20160219_00031.jpg



Front view of the site.

Photo 2 of 2 : SP_2016_NA0017_160_41_20160219_00032.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	5.56	Rating **	U	Issue No.	40
LM End	5.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.995216°	37.995216°
				-121.080159°	-121.080159°
DWR ID	DWR_NA0017_16_s_2016_40				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: The erosion seems to be caused by high river flow. Dense vegetation is present at the site. Signs of animal activities are visible. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM17.27]					

LM Start	5.56	Rating **	U	Issue No.	40 (cont)
LM End	5.58	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_NA0017_160_40_20160219_00028.jpg



Close view of the erosion.

Photo 2 of 3 : SP_2016_NA0017_160_40_20160219_00029.jpg



View from the right river bank.

LM Start	5.56	Rating **	U	Issue No.	40 (cont)
LM End	5.58	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2016_NA0017_160_40_20160219_00030.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	5.70	Rating **	M	Issue No.	57
LM End	5.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.993593 °	37.993030 °
				-121.081493 °	-121.082014 °
DWR ID	DWR_NA0017_16_s _ 2012_57				
Comment Code					
EQ : Equipment					
Inspector Comment					

No Photos

LM Start	5.71	Rating **	M	Issue No.	39	
LM End	5.72	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.993525 °		37.993525 °
				-121.081679 °		-121.081679 °
DWR ID	DWR_NA0017_16_s _ 2016_39					
Comment Code						
Inspector Comment						
8/12/2015: No significant change observed.						
8/20/2014: The erosion is near a tree and probably has been made worse by the unstable bank slope. [2015 Site ID:NA0017U16RM17.11]						

Photo 1 of 2 : SP_2016_NA0017_160_39_20160219_00026.jpg



View of the site from the right river bank.

LM Start	5.71	Rating **	M	Issue No.	39 (cont)
LM End	5.72	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_39_20160219_00027.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	5.75	Rating **	M	Issue No.	172
LM End	5.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.993108 °	37.993108 °
				-121.082033 °	-121.082033 °
DWR ID	DWR_NA0017_16_s_2012_172				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_172_20160219_00123.jpg



View of equipment located on the waterward side looking upstream.

LM Start	5.87	Rating **	M	Issue No.	264
LM End	5.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.991628 °	37.991628 °
				-121.083312 °	-121.083312 °
DWR ID	DWR_NA0017_16_f_2014_264				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_264_20160219_00150.jpg



A slope instability was found on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	6.15	Rating **	M	Issue No.	170
LM End	6.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.988385 °	37.988385 °
				-121.086292 °	-121.086292 °
DWR ID	DWR_NA0017_16_s_2012_170				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_170_20160219_00121.jpg



Updated picture of the rodent holes on the waterside shoulder of the levee looking downstream.

LM Start	6.15	Rating **	M	Issue No.	170 (cont)
LM End	6.15	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_170_20160219_00122.jpg



An animal hole was found on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	6.24	Rating **	M	Issue No.	50
LM End	6.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.987303 °	37.987303 °
				-121.087292 °	-121.087292 °
DWR ID	DWR_NA0017_16_s_2014_50				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_50_20160219_00043.jpg



View of a rodent hole on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

LM Start	6.42	Rating **	M	Issue No.	49
LM End	6.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.985104 °	37.981327 °
				-121.088851 °	-121.094343 °
DWR ID	DWR_NA0017_16_f_2015_49				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	6.49	Rating **	U	Issue No.	38
LM End	6.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.983279 °	37.983279 °
				-121.090843 °	-121.090843 °
DWR ID	DWR_NA0017_16_s_2016_38				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: Site has been surveyed and the erosion has worsened since last year.					
08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM16.27]					

LM Start	6.49	Rating **	U	Issue No.	38 (cont)
LM End	6.68	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_NA0017_160_38_20160219_00023.jpg



Downstream view of the site from the right river bank.

Photo 2 of 3 : SP_2016_NA0017_160_38_20160219_00024.jpg



Closer view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	6.49	Rating **	U	Issue No.	38 (cont)
LM End	6.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.983279 °	37.983279 °
				-121.090843 °	-121.090843 °
DWR ID	DWR_NA0017_16_s _ 2016_38				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: Site has been surveyed and the erosion has worsened since last year.					
08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM16.27]					

Photo 3 of 3 : SP_2016_NA0017_160_38_20160219_00025.jpg



Close view of the erosion.

LM Start	6.70	Rating **	M	Issue No.	120
LM End	6.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.982299 °	37.982299 °
				-121.092665 °	-121.092665 °
DWR ID	DWR_NA0017_16_s _ 2014_120				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_120_20160219_00097.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	6.70	Rating **	M	Issue No.	120 (cont)	
LM End	6.70	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.982299 °		37.982299 °
				-121.092665 °		-121.092665 °
DWR ID	DWR_NA0017_16_s_2014_120					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : SP_2016_NA0017_160_120_20160219_00098.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	6.88	Rating **	M	Issue No.	272
LM End	7.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.980975 °	37.979139 °
				-121.094914 °	-121.098858 °
DWR ID	DWR_NA0017_16_s_2016_272				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_272_20160427_00368.jpg



View of the vegetation on the waterside of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	7.27	Rating **	U	Issue No.	37
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.978194 °	37.978194 °
				-121.101696 °	-121.101696 °
DWR ID	DWR_NA0017_16_s _ 2016_37				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed. Note the site ID changed from NA0017U16RM10.82 to NA0017U16RM15.57 to reflect the correct river mile.					
09/12/2013: The site is located at immediately downstream of a levee segment protected by broken concrete. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM15.57]					

Photo 1 of 2 : SP_2016_NA0017_160_37_20160219_00021.jpg



Close view of the erosion.

Photo 2 of 2 : SP_2016_NA0017_160_37_20160219_00022.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	7.39	Rating **	M	Issue No.	246
LM End	7.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.977610 °	37.977610 °
				-121.103159 °	-121.103159 °
DWR ID	DWR_NA0017_16_s_2015_246				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_246_20160427_00369.jpg



Updated picture of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

LM Start	7.39	Rating **	M	Issue No.	246 (cont)
LM End	7.39	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_246_20160219_00145.jpg



Erosion was found on the waterside shoulder of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	7.42	Rating **	M	Issue No.	237
LM End	7.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.977421 °	37.977421 °
				-121.103507 °	-121.103507 °
DWR ID	DWR_NA0017_16_f_2015_237				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_237_20160427_00370.jpg



Updated picture of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

LM Start	7.42	Rating **	M	Issue No.	237 (cont)
LM End	7.42	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_237_20160219_00143.jpg



Erosion caused by runoff was found on the waterside shoulder of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	7.57	Rating **	M	Issue No.	218
LM End	7.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.976122 °	37.976122 °
				-121.105791 °	-121.105791 °
DWR ID	DWR_NA0017_16_s_2012_218				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_218_20160219_00136.jpg



A possible beaver den was found on waterside slope of the levee. The picture was taken from the opposite bank of the levee.

LM Start	7.65	Rating **	M	Issue No.	238
LM End	8.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.975388 °	37.972021 °
				-121.106829 °	-121.112816 °
DWR ID	DWR_NA0017_16_f_2015_238				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.84	Rating **	M	Issue No.	275
LM End	7.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.973620 °	37.973620 °
				-121.109680 °	-121.109680 °
DWR ID	DWR_NA0017_16_s_2016_275				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_275_20160427_00371.jpg



View of a rodent hole on the waterside shoulder of the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	8.08	Rating **	M	Issue No.	276
LM End	9.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.971593 °	37.966713 °
				-121.113017 °	-121.128226 °
DWR ID	DWR_NA0017_16_s _ 2016_276				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_276_20160427_00372.jpg



View of the vegetation on the waterside of the levee looking downstream.

LM Start	8.17	Rating **	M	Issue No.	278
LM End	8.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.970392 °	37.968165 °
				-121.113648 °	-121.121941 °
DWR ID	DWR_NA0017_16_s _ 2016_278				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	8.34	Rating **	M	Issue No.	36
LM End	8.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.969213 °	37.969213 °
				-121.116574 °	-121.116574 °
DWR ID	DWR_NA0017_16_s_2016_36				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion occurred on a berm of approximately 25 ft. wide. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM14.48]					

Photo 1 of 2 : SP_2016_NA0017_160_36_20160219_00019.jpg



View of the site from the right river bank.

LM Start	8.34	Rating **	M	Issue No.	36 (cont)
LM End	8.38	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_36_20160219_00020.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	8.60	Rating **	M	Issue No.	128
LM End	8.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.968157 °	37.968157 °
				-121.120620 °	-121.120620 °
DWR ID	DWR_NA0017_16_s_2013_128				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_128_20160219_00102.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during spring 2014 inspection.

LM Start	8.60	Rating **	M	Issue No.	128 (cont)
LM End	8.60	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_128_20160219_00103.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	8.68	Rating **	M	Issue No.	248
LM End	8.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.968169 °	37.968169 °
				-121.122047 °	-121.122047 °
DWR ID	DWR_NA0017_16_s_2015_248				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Runoff					

Photo 1 of 1 : SP_2016_NA0017_160_248_20160219_00146.jpg



Erosion was found on the waterside looking downstream.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	9.00	Rating **	M	Issue No.	18
LM End	9.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966615 °	37.966615 °
				-121.127328 °	-121.127328 °
DWR ID	DWR_NA0017_16_s_2016_18				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: Pocket erosion at the levee toe and slope. The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM13.86]					

LM Start	9.00	Rating **	M	Issue No.	18 (cont)
LM End	9.00	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_NA0017_160_18_20160219_00012.jpg



Front view of the erosion.

Photo 2 of 2 : SP_2016_NA0017_160_18_20160219_00013.jpg



Closer view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	9.11	Rating **	M	Issue No.	14
LM End	9.13	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966922 °	37.966922 °
				-121.129533 °	-121.129533 °
DWR ID	DWR_NA0017_16_s_2016_14				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM13.72]					

Photo 1 of 3 : SP_2016_NA0017_160_14_20160219_00008.jpg



Close view of the erosion.

LM Start	9.11	Rating **	M	Issue No.	14 (cont)
LM End	9.13	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_NA0017_160_14_20160219_00009.jpg



Close view of the erosion.

LM Start	9.11	Rating **	M	Issue No.	14 (cont)
LM End	9.13	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2016_NA0017_160_14_20160219_00010.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	9.33	Rating **	U	Issue No.	304
LM End	9.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.966739 °	37.966739 °
				-121.133254 °	-121.133254 °
DWR ID	DWR_NA0017_16_s_2016_304				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_304_20160429_00385.jpg



View of a rodent hole possible made by a coyote on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

LM Start	9.48	Rating **	M	Issue No.	28
LM End	9.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.966239 °	37.966239 °
				-121.136172 °	-121.136172 °
DWR ID	DWR_NA0017_16_f_2013_28				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion was found on the waterside toe of the levee.					

Photo 1 of 1 : SP_2016_NA0017_160_28_20160219_00017.jpg



View of the erosion on the waterside toe of the levee looking from the opposite side of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	9.52	Rating **	M	Issue No.	282
LM End	10.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.965588 °	37.964466 °
				-121.136418 °	-121.151265 °
DWR ID	DWR_NA0017_16_s_2016_282				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.86	Rating **	M	Issue No.	10
LM End	9.88	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.964735 °	37.964735 °
				-121.142503 °	-121.142503 °
DWR ID	DWR_NA0017_16_s_2016_10				
Comment Code					
Inspector Comment					
8/12/2015: No significant change observed.					
8/20/2014: No significant change observed.					
9/12/2013: No significant change observed.					
08/22/2012: Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM12.95]					

Photo 1 of 2 : SP_2016_NA0017_160_10_20160219_00003.jpg



Front view of the erosion.

LM Start	9.86	Rating **	M	Issue No.	10 (cont)
LM End	9.88	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_10_20160219_00004.jpg



Closer view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	10.45	Rating **	M	Issue No.	91
LM End	10.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.964159 °	37.964159 °
				-121.153094 °	-121.153094 °
DWR ID	DWR_NA0017_16_s _ 2012_91				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	10.48	Rating **	M	Issue No.	80
LM End	10.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.964053 °	37.964053 °
				-121.153671 °	-121.153671 °
DWR ID	DWR_NA0017_16_s _ 2012_80				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	10.75	Rating **	M	Issue No.	283
LM End	10.87	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.962547 °	37.961495 °
				-121.158101 °	-121.159824 °
DWR ID	DWR_NA0017_16_s_2016_283				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Farmer took away the levee access road.					

Photo 1 of 1 : SP_2016_NA0017_160_283_20160427_00374.jpg



Farmer removed the levee patrol road. The picture was taken from the crown looking downstream.

LM Start	10.75	Rating **	M	Issue No.	90
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.962472 °	37.962472 °
				-121.158112 °	-121.158112 °
DWR ID	DWR_NA0017_16_s_2012_90				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_90_20160219_00080.jpg



Prunings were found on the waterside shoulder of the levee looking downstream.

LM Start	10.75	Rating **	M	Issue No.	90 (cont)
LM End	10.75	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_90_20160219_00081.jpg



Prunings were found on the waterside of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	10.79	Rating **	M	Issue No.	139
LM End	10.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.962182 °	37.962182 °
				-121.158684 °	-121.158684 °
DWR ID	DWR_NA0017_16_s_2013_139				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_139_20160219_00108.jpg



Updated picture of the erosion on the waterside shoulder of the levee looking downstream.

LM Start	10.79	Rating **	M	Issue No.	139 (cont)
LM End	10.79	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_139_20160219_00109.jpg



Erosion was found on the waterside of the levee looking downstream.

LM Start	11.62	Rating **	C	Issue No.	239
LM End	11.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960902 °	37.960902 °
				-121.172881 °	-121.172881 °
DWR ID	DWR_NA0017_16_f_2015_239				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Issue is corrected.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	11.93	Rating **	M	Issue No.	285
LM End	13.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.961413 °	37.959624 °
				-121.178555 °	-121.201519 °
DWR ID	DWR_NA0017_16_s _ 2016_285				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	11.93	Rating **	M	Issue No.	108
LM End	13.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.961413 °	37.959624 °
				-121.178555 °	-121.201520 °
DWR ID	DWR_NA0017_16_s _ 2016_108				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.06	Rating **	M	Issue No.	286
LM End	12.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961283 °	37.961283 °
				-121.180907 °	-121.180907 °
DWR ID	DWR_NA0017_16_s _ 2016_286				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_286_20160427_00375.jpg



View of a rodent hole on the landside of the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	12.32	Rating **	M	Issue No.	126
LM End	12.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960427 °	37.960427 °
				-121.185560 °	-121.185560 °
DWR ID	DWR_NA0017_16_s _ 2016_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_126_20160427_00376.jpg



View of a rodent hole on the landside of the levee.

LM Start	12.87	Rating **	M	Issue No.	244	
LM End	12.87	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			37.959694 °	37.959694 °	
				-121.195381 °	-121.195381 °	
DWR ID	DWR_NA0017_16_s _ 2016_244					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 1 of 1 : SP_2016_NA0017_160_244_20160427_00377.jpg



View of rodent holes on the landside of the levee.

LM Start	13.63	Rating **	M	Issue No.	287
LM End	15.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.962177 °	37.973772 °
				-121.207671 °	-121.231866 °
DWR ID	DWR_NA0017_16_s _ 2016_287				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	14.18	Rating **	M	Issue No.	288
LM End	14.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.966450 °	37.971179 °
				-121.216146 °	-121.225723 °
DWR ID	DWR_NA0017_16_s_2016_288				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	14.25	Rating **	M	Issue No.	249
LM End	14.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.967046 °	37.967046 °
				-121.217319 °	-121.217319 °
DWR ID	DWR_NA0017_16_f_2015_249				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 1 : SP_2016_NA0017_160_249_20160219_00147.jpg



View of the erosion caused by surface runoff on the landside of the

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	14.48	Rating **	M	Issue No.	260
LM End	14.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.968800 °	37.968800 °
				-121.220755 °	-121.220755 °
DWR ID	DWR_NA0017_16_f_2014_260				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_260_20160219_00149.jpg



Rodent holes were found on the landside slope of the levee looking upstream.

LM Start	14.59	Rating **	M	Issue No.	259
LM End	14.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.969732 °	37.969732 °
				-121.222552 °	-121.222552 °
DWR ID	DWR_NA0017_16_f_2014_259				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	14.61	Rating **	U	Issue No.	273
LM End	14.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.969913 °	37.969913 °
				-121.222870 °	-121.222870 °
DWR ID	DWR_NA0017_16_s_2015_273				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_273_20160219_00153.jpg



Rodent holes were found on the landside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	15.23	Rating **	M	Issue No.	289
LM End	20.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.974170 °	37.983347 °
				-121.232755 °	-121.310081 °
DWR ID	DWR_NA0017_16_s _ 2016_289				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	15.98	Rating **	M	Issue No.	290
LM End	19.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979308 °	37.991539 °
				-121.244950 °	-121.296010 °
DWR ID	DWR_NA0017_16_s _ 2016_290				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_290_20160427_00378.jpg



View of the vegetation on the landside of the levee.

LM Start	16.12	Rating **	M	Issue No.	71
LM End	16.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980250 °	37.980250 °
				-121.247141 °	-121.247141 °
DWR ID	DWR_NA0017_16_s _ 2014_71				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	16.43	Rating **	M	Issue No.	150
LM End	16.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.982318 °	37.982318 °
				-121.252095 °	-121.252095 °
DWR ID	DWR_NA0017_16_s _ 2013_150				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 2 : SP_2016_NA0017_160_150_20160219_00112.jpg



Updated picture of the erosion on the landside shoulder of the levee looking upstream during spring 2015 inspection.

LM Start	16.43	Rating **	M	Issue No.	150 (cont)
LM End	16.43	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_NA0017_160_150_20160219_00113.jpg



Erosion was found on the landside of the levee looking downstream.

LM Start	16.70	Rating **	M	Issue No.	291
LM End	16.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.984206 °	37.984206 °
				-121.256440 °	-121.256440 °
DWR ID	DWR_NA0017_16_s _ 2016_291				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_291_20160427_00379.jpg



View of debris on the landside shoulder of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	16.78	Rating **	M	Issue No.	292
LM End	16.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.984754 °	37.984754 °
				-121.257707 °	-121.257707 °
DWR ID	DWR_NA0017_16_s _ 2016_292				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	17.14	Rating **	M	Issue No.	293	
LM End	17.14	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.987210 °		37.987210 °
				-121.263501 °		-121.263501 °
DWR ID	DWR_NA0017_16_s _ 2016_293					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Runoff						

Photo 1 of 1 : SP_2016_NA0017_160_293_20160427_00380.jpg



View of an erosion on the landside slope of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	18.39	Rating **	U	Issue No.	294
LM End	18.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.992862 °	37.992862 °
				-121.284002 °	-121.284002 °
DWR ID	DWR_NA0017_16_s _ 2016_294				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_294_20160427_00381.jpg



An animal burrow was found on the landside shoulder of the levee looking upstream.

LM Start	18.94	Rating **	N	Issue No.	295
LM End	18.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.991937 °	37.991937 °
				-121.293932 °	-121.293932 °
DWR ID	DWR_NA0017_16_s _ 2016_295				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	18.99	Rating **	M	Issue No.	296
LM End	18.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.991788 °	37.991788 °
				-121.294718 °	-121.294718 °
DWR ID	DWR_NA0017_16_s _ 2016_296				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	19.04	Rating **	N	Issue No.	65
LM End	19.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.991617 °	37.991617 °
				-121.295628 °	-121.295628 °
DWR ID	DWR_NA0017_16_s _ 2012_65				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_65_20160219_00058.jpg



A tree stump was found on the landside of the levee looking upstream.

LM Start	19.90	Rating **	M	Issue No.	298	
LM End	20.12	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.985757 °		37.983346 °
				-121.307510 °		-121.310080 °
DWR ID	DWR_NA0017_16_s _ 2016_298					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

No Photos

LM Start	20.12	Rating **	M	Issue No.	299
LM End	21.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.983349 °	37.979260 °
				-121.310081 °	-121.339947 °
DWR ID	DWR_NA0017_16_s _ 2016_299				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	20.75	Rating **	M	Issue No.	300
LM End	21.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979283 °	37.980825 °
				-121.319470 °	-121.324460 °
DWR ID	DWR_NA0017_16_s _ 2016_300				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	20.79	Rating **	N	Issue No.	95	
LM End	20.79	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.979739 °		37.979739 °
				-121.319993 °		-121.319993 °
DWR ID	DWR_NA0017_16_s _ 2012_95					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

No Photos

LM Start	20.83	Rating **	N	Issue No.	84
LM End	20.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.980085 °	37.980085 °
				-121.320448 °	-121.320448 °
DWR ID	DWR_NA0017_16_s _ 2012_84				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	20.97	Rating **	M	Issue No.	197
LM End	20.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980569 °	37.980569 °
				-121.322985 °	-121.322985 °
DWR ID	DWR_NA0017_16_s _ 2013_197				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_160_197_20160219_00130.jpg



Updated picture of the erosion on the waterside of the levee looking upstream during spring 2014 inspection.

LM Start	20.97	Rating **	M	Issue No.	197 (cont)
LM End	20.97	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_160_197_20160219_00131.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	21.07	Rating **	M	Issue No.	279
LM End	21.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.980866 °	37.980866 °
				-121.324682 °	-121.324682 °
DWR ID	DWR_NA0017_16_s _ 2015_279				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_279_20160219_00156.jpg



Debris was found on the waterside shoulder of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	21.18	Rating **	M	Issue No.	27
LM End	21.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.981235 °	37.981235 °
				-121.326604 °	-121.326604 °
DWR ID	DWR_NA0017_16_f_2015_27				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	21.31	Rating **	M	Issue No.	74	
LM End	21.31	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.980773 °		37.980773 °
				-121.328866 °		-121.328866 °
DWR ID	DWR_NA0017_16_f_2013_74					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Runoff						

Photo 1 of 1 : SP_2016_NA0017_160_74_20160219_00067.jpg



Erosion due to runoff was found on the waterside of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	21.54	Rating **	M	Issue No.	761
LM End	21.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.979778 °	37.979778 °
				-121.332810 °	-121.332810 °
DWR ID	DWR_NA0017_16_s_2012_761				
Comment Code					
PI : Pipe					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_761_20160219_00157.jpg



An abandoned pipe was found on the waterside of the levee looking downstream.

LM Start	21.68	Rating **	M	Issue No.	68
LM End	21.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979674 °	37.979674 °
				-121.335228 °	-121.335228 °
DWR ID	DWR_NA0017_16_f_2012_68				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_68_20160219_00061.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	21.94	Rating **	M	Issue No.	62
LM End	21.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979251 °	37.979251 °
				-121.340012 °	-121.340012 °
DWR ID	DWR_NA0017_16_f_2013_62				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_160_62_20160219_00053.jpg



Erosion was found on the waterside slope of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.	48
LM End	22.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.978697 °	37.978697 °
				-121.341581 °	-121.341581 °
DWR ID	DWR_NA0017_16_s_2012_48				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Caltrans repaired the issue. (Permit # 18532) Another repair might be needed if it deteriorates.					

Photo 1 of 5 : SP_2016_NA0017_160_48_20160219_00038.jpg



Caltrans repaired the erosion under the southbound (I-5) bridge. The picture was taken from the crown looking upstream during fall 2014 inspection.

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : SP_2016_NA0017_160_48_20160219_00039.jpg



Updated picture of erosion was found on the waterside toe of the levee looking from the opposite side of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)	
LM End	22.04	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.978697 °		37.978697 °
				-121.341581 °		-121.341581 °
DWR ID	DWR_NA0017_16_s_2012_48					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Caltrans repaired the issue. (Permit # 18532) Another repair might be needed if it deteriorates.						

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : SP_2016_NA0017_160_48_20160219_00040.jpg



Updated view of the erosion site repaired by Caltrans on the waterside slope of the levee looking upstream.

Photo 4 of 5 : SP_2016_NA0017_160_48_20160219_00041.jpg



View of the erosion site repaired by Caltrans under the I-5 freeway going southbound. This picture was taken from the toe of the levee looking upstream.

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 5 of 5 : SP_2016_NA0017_160_48_20160219_00042.jpg



View of the erosion under the I-5 bridge looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	22.24	Rating **	N	Issue No.	6	
LM End	22.24	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.976650 °		37.976650 °
				-121.344212 °		-121.344212 °
DWR ID	DWR_NA0017_16_s_2016_6					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

No Photos

LM Start	22.27	Rating **	C	Issue No.	43
LM End	22.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.976308 °	37.976308 °
				-121.344698 °	-121.344698 °
DWR ID	DWR_NA0017_16_f_2013_43				
Comment Code					
DE : Debris					
Inspector Comment					
This issue is corrected.					

No Photos

LM Start	22.30	Rating **	M	Issue No.	302
LM End	22.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.976100 °	37.974667 °
				-121.345017 °	-121.346569 °
DWR ID	DWR_NA0017_16_s_2016_302				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

LM Start	22.39	Rating **	M	Issue No.	303
LM End	22.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.975028 °	37.973139 °
				-121.346064 °	-121.348695 °
DWR ID	DWR_NA0017_16_s_2016_303				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	22.55	Rating **	U	Issue No.	45
LM End	22.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.973386 °	37.973386 °
				-121.348241 °	-121.348241 °
DWR ID	DWR_NA0017_16_f_2012_45				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arrundo on the waterside of the levee.					

Photo 1 of 1 : SP_2016_NA0017_160_45_20160219_00034.jpg



Arrundo was found on the waterside slope of the levee looking upstream.

LM Start	22.59	Rating **	C	Issue No.	284
LM End	22.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.973100 °	37.973100 °
				-121.348803 °	-121.348803 °
DWR ID	DWR_NA0017_16_s_2015_284				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	04/19/2016 04/22/2016	Pavel Kazi

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Potter Creek	Right	0.86	04/20/2016 04/20/2016	Pavel Kazi

LM Start	0.13	Rating **	M	Issue No.	7
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.959971 °	37.959505 °
				-121.161177 °	-121.157914 °
DWR ID	DWR_NA0017_17_f_2015_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_161_7_20160427_00017.jpg



View of the vegetation on the waterside of the levee looking downstream.

LM Start	0.60	Rating **	M	Issue No.	5
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.958966 °	37.958966 °
				-121.152641 °	-121.152641 °
DWR ID	DWR_NA0017_17_s_2012_5				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0017_161_5_20160219_00004.jpg



Updated picture of the prunings on the waterside of the levee looking upstream during fall 2014 inspection.

LM Start	0.60	Rating **	M	Issue No.	5 (cont)
LM End	0.60	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_NA0017_161_5_20160219_00005.jpg



Prunings were found on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Potter Creek	Right	0.86	04/20/2016 04/20/2016	Pavel Kazi

LM Start	0.67	Rating **	M	Issue No.	10
LM End	0.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.958702 °	37.958702 °
				-121.151544 °	-121.151544 °
DWR ID	DWR_NA0017_17_s_2012_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_161_10_20160219_00008.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	0.68	Rating **	M	Issue No.	3
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.958590 °	37.958590 °
				-121.151408 °	-121.151408 °
DWR ID	DWR_NA0017_17_s_2012_3				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_161_3_20160219_00002.jpg



View of a prunings pile along the waterward bank looking downstream.

LM Start	0.78	Rating **	M	Issue No.	2
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.957934 °	37.957934 °
				-121.149911 °	-121.149911 °
DWR ID	DWR_NA0017_17_s_2012_2				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_161_2_20160219_00001.jpg



View of a prunings pile along the waterward bank looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Potter Creek	Right	0.86	04/20/2016 04/20/2016	Pavel Kazi

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	04/20/2016 04/20/2016	Pavel Kazi

LM Start	0.33	Rating **	A	Issue No.	3
LM End	0.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.958687 °	37.958687 °
				-121.153970 °	-121.153970 °
DWR ID	DWR_NA0017_18_s_2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_162_3_20160427_00005.jpg



View of the vegetation on the waterside of the levee looking downstream.

LM Start	0.87	Rating **	M	Issue No.	4
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960206 °	37.960206 °
				-121.163559 °	-121.163559 °
DWR ID	DWR_NA0017_18_f_2015_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2016_NA0017_162_4_20160427_00006.jpg



Rodent holes were found on the landside of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement